

Monsieur,

Padoue (Italie) 28 Déc. 1871
Affidé à la bienveillance, que vous m'avez
démontré à l'occasion de votre visite
au Jardin botanique de Padoue en
Mai 1869, j'ose recourir à vo-
tre science distinguée pour ce que
suit.

Avec l'entremise de notre Ministre
des Etrangers, la Faculté de Méde-
cine de Padoue a reçu tout-pro-
chainement un paquet de poudre
de Cundurango-bark, qui serait
un spécifique infailible dans le
Cancer etc, et dont le dépôt
est chez MM. les doct. D. W.
Bliss, Washington, L. E. Bliss,
New-York, et T. Kleene, New-
York.

En ne sachant rien sur cet argument,
qui ne manque pas d'importance, j'ose
de la part aussi de notre Faculté,

vous adresser les suivantes questions.

- 1.^o A quelle plante et famille des plantes appartient-il le Condurango - bark?
- 2.^o Chez vous est-il vraiment démontré un précieux remède dans le traitement du cancer etc.

De notre côté, on ne manquera pas d'en faire expérience.

Je vous prie, Monsieur, de donner, si vous est possible, une prête réponse à ma lettre, tandis que je vous demande pardon de mon hardiesse, et je vous prie d'agréer les saluts de M. de Vissani et l'assurance de ma considération la plus parfaite.

Prof. P. A. Suardo
Padoue
(Italie)

Monieur Asa Gray

Monieur

J'ai reçu par l'intermédiaire de votre
bon ami M^r Wabbe les trois écrits que
vous avez eu l'extrême bonté de m'adresser
savoir, Melasthacearum revisio, Remarks
on the structure of the order Ceratophyllaceae
et Herb genera and species. Ces ouvrages
en faisant mieux connaître la Flore
de votre pays, contribuent aussi à
jeter de lumière sur la botanique
générale; je vous prie d'en recevoir
tous mes remerciements.

Je prends la liberté de vous adresser
ma Monographie des Primulacées d'
du Brésil. Vous verrez que j'en retrouve
dans ce même pays quelques plantes
de votre; une foule d'autres de

Plantes aquatiques sont presque
cosmopolites. J'ai rapporté au
Micranthemum emarginatum d'Elliot
une plante extrêmement voisine du
M. orbiculatum et qui m'a pu
coïncider avec la description d'Elliot.
Il me semblerait cependant presque impossible
~~quand~~ que je me sois trompé,
car cette description est peu étendue,
et la plante n'existe en original
dans aucun des herbiers de Paris.

Ayez l'assurance des sentiments
les plus distingués

Paris
12 avril
1841

Auguste de Hellday

Auguste de St. Hilaire

Monsieur de Suppès, membre de
l'Institut & au Jardin des plantes
Paris

Auguste de St. Hilaire.
(Br. L. de Suppès)

Monsieur et cher confrère

On m'a engagé à faire mon
cours cette année, et je me suis laissé
persuader. Mais je ne tenterai pas de
recommencer mes leçons, sans vos remerciements
de la complaisance que vous avez bien
voulu avoir pendant plusieurs années.
Puisse-t-on retrouver dans mon cours
quelque chose de la science dont vous
avez eu l'honneur de voter! Agréez avec
moi

remercement, l'assurance de
sentiments les plus affectueux
Auguste De Stilaire,

Montp. 22 fr^{re}
1848

Le... de vent de perdre sa sœur
aînée fille fort spirituelle qui avoit
avec lui beaucoup de ressemblance. Il
a dû en être fort affligé.

Worcester Nov 3 1874
Salembury

Dear Professor Gray

Returning from a visit to New York I find yours of 23rd ult with several Mem^{os} of payments by Prof Wyman for Peabody Museum. Tho some of these are marked by cross lines, I do not find that he has been repaid. As I cannot read some of the items, I enclose the slips that a Bill against the Museum may be made, which I will pay, as part of the enclosed Check on Nat Exchange Bank. viz for due Estate of Prof Wyman \$20.53

due you for items as stated in yours of 20th; for which please send receipted Bill of particulars

4275
for which I enclose Check on Nat Ex Bank \$63.28

I received to-day the letter you sent from Mr Agassiz and I agree with you that it is desirable to accept his offer and appropriate money to be used in exploration or purchase. I can be in Boston at Mass Hist Soc Rooms at 12 M on Thursday but there is not time to call a meeting then. Thursday 12th inst will be the time for the Hist Soc meeting and would be convenient for Messrs Adams & Wheatland and if also for you, I could come. Will you please to arrange for a meeting

On Jan 21 last I paid Prof Wyman a Bill of \$5.50 for pt for postage of Reports, which seems to be additional to the above

The service of Prof Wyman as Curator began with the year 1867. And we had seven and nearly $\frac{3}{4}$ of a year of his excellent service at a salary of \$500.

My Aunt shows that I paid him	July 15 1869	\$1000 00
	May 13 1870	1000 00
	June 6 1873	500 00
	Jan 21 1874	500 00
		<u>\$3000 00</u>

There is due salary for time which the Trustees will probably consider too great. They must decide.

On Jan 21 1874 \$300.00 was paid to Prof Wyman to be used in expenditures. Will you please to enquire about this

In New York at the meeting of the Oriental Society I met Mr Porter C Bliss and asked him to send the Collection for the Museum to you and gave him your address. He promised to send it immediately and to give you notice of it. He said it was ready but he had delayed because he knew not to whom to send it. He had before represented that it was very valuable in books and objects. I shall wait for your sanction for paying the balance.

Truly and respectfully yours
S. Salisbury

Winnipeg Dec 28 1874

Dear Prof Gray

I duly received yours of 24
and the Winthrop's of Dec 8 enclosed. It is rather
awkward to carry on a discussion across the Atlantic,
but I can perceive that we should be of one mind if
Mr Winthrop were here. It will be well to have quotations
of Mr Winthrop's letter as a part of your report as he
suggests, to indicate the continuance of the interest
of Mr Winthrop which has been so valuable to the Museum.

The plan of report which we have proposed could
not be improved. I thank you for ^{proposing to send}
me a copy of your Biography of Prof Wyman prepared ^{for Nat Hist Society}.
I expect much gratification from reading it but if
I had it now, I should not be so willing to comply
with your wish, that I should consider what use
might "be made of it in our behalf," as I am now
to make suggestions, which are like striking in the dark.

It seems to me that your Biography will have an extent
and fulness to gratify the incidental motive of the report.
In the report I suppose you would make prominent
the peculiarities, which fitted him for his service as
curator, a work he had begun to carry on with all

his strength. You know better than other eelologists
have stated and better probably than they
know, the character of his knowledge of Ichthyology,
which was different from the knowledge of Prof. Agassiz.
You know also that his modesty, which has been so
often mentioned, was not diffidence or distrust of his
opinions. His eminence in Craniology and Osteology
which were of the first importance in the Museum,
has not been properly set forth in any notice
that I have seen. I suppose in addition to the
notices of the ^{other} accessions the report of Mr Putnam's
explorations and collections should be
incorporated as a paper addressed to the
Trustees or to you. Pardon the freedom of these
hasty hints. I hope the illness, which troubled
you, has passed off. I enclose Mr Worthen's
letter and am

sincerely & respectfully yours

Stephen Salisbury

Prof Am Gar LL D
Cambridge Mass

Worcester Jan 2 1875

My dear Prof Gray

I thank you for a copy of
your Memoir of Prof Wyman before the
Nat Hist Society. I have read it with great
pleasure because it is a lively and faithful
picture of his merits and peculiarities
as a Scientist (if you will allow the word)
and as a man. What you have presented
concerning the investigations of the Gorilla
shows the character and meaning of his
unwillingness to seek or claim public testimonies
of honor. He was ^{not} destitute of sensibility of
his own desert, of the value of his labors
or of the gratification of deserved praise.
This is the reward of the noblest faithful
workers. In delineating his general scientific
character, you have not been anticipated by other
eulogist, so far as I have observed. I do not doubt
that you will be equally happy in describing
the traits which made him preeminent as a curator
of an archaeological Museum.

Yours Am Gray M.D.L.L.D.

Cambridge Mass

Very respectfully yours
S Salisbury

Worcester Feb 12 1875

Dear Professor Gray

I am glad to learn from your letter that the Corps begin to think that they ought not to require rent for Peabody Museum. I said so to Pratt-Whit and wrote him to the same effect and sent him copies of Mr Peabody's letters of Gift and Trust. If the College relieve us from future payments, it is as much as we ought to expect and for this we will be thankful. The proposed arrangement, giving the Museum the Wall and Prof Cooke the floor, applying, I suppose, only to the hall to be added. The Trustees cannot consent, I think, to be driven to the Wall in their present hall. The collection would be unimpressive and secondary. I am glad to know that the halls are to be warmed. If the joint-occupation takes place and we furnish attendance by which the minerals are to be benefitted, the Museum ought to be compensated.

I shall be glad to say to Mr Winthrop that we ought to put in place of Mr Russell, who cannot or does not do what Mr Peabody requires, some other person, but I prefer to defer it until I can do it "by word of mouth." I have written to Mr Winthrop a full account of our doings and of what I thought was the true policy of the Museum. His active interest gave him a right to expect this, tho he has not replied to my last letter, in which there are suggestions, which perhaps he thought it would be better to discuss *vis a voce*.

I have sent \$250 to Prof I F David and have received his receipt. If you can send me two or three copies of Mr Peabody's letters of gift and trust, I should like to have them.

As to the surplussage of the mention of an honorable title, when the merits of the person is well known, I confer it and I will conform to your wishes. But I must say in my own behalf, that I do not like to use the doubtful title of Professor, when I desire to express the highest respect. I hope your health is now restored. The unvaried severe temperature with much clear weather has been attended with a prevalence of various forms of disease which few have escaped.

Of the ^{course} Winstrops name will appear as a signer of our Report. My resolutions in regard to Dr Wyman had too errors in the "address". The word was ^{and should be} respect and not regard in the first resolution and honor and not honors in the last but one.

Sincerely and respectfully yours
Stephen Fairbank

Worcester Feb 13 1875

My dear Professor Gray

S Salisbury

A letter received today from President Eliot states that "the Corps are ready to give the Trustees the use of part of the hall below without increase of rent - But think it expedient to reserve a part for the mineral collection." The division suggested is that the Peabody Mus should have all the wall cases and the Minerals the floor or any other division. It would be necessary to provide means of heating and to make windows on the south and an iron stair case. These changes would cost from \$1000 to \$1250. The Corps would bear an equitable proportion of the expense.

I have written to ask Dr Wheeland to call a meeting of our Trustees at the Mass Hist Society Rooms in Boston on Wednesday next 17th inst at 11^{1/2} A.M. to consider this offer. I hope this time will be convenient to you.

Very truly and respectfully yours

S Salisbury

Newark, July 10 1835

Dear Professor Gray

After I left our
Meeting of Tuesday last day it occurred to me
that it would be well to say to the President
and Fellows, that as Mr Peabody required
only a suitable and a fine princ building,
the question had arisen among the Trustees
whether it was not expedient to ask for
the site at once and build on it an
entirely safe building convenient and of
ample size and in height only one story,
at a cost not much exceeding the principal
that produces our \$750 of rent and the enlargement
and architectural improvement could be added
afterwards when accumulation should ^{the residue of} make our
building fund sufficient: Or if this economy were
not practiced, the want of room will compel the
Trustees to ^{reluctantly} pay less regard to beauty than to accommodation.
So the Corporation have a strong inducement
to give the Trustees facilities for making their
building worthy of the University. I submit
to your better judgment, whether it is not
best to present this consideration to the Corporation.
In haste sincerely and respectfully yours
S Galisbregh

Worcester, July 5 - 1875

My dear Prof Gray

I thank you for the copy of your letter to President Eliot in which you set forth our understanding as to change of rooms. The Provost has sent me a copy of the vote of the Corps which I think you also have. Tho I have not a very clear remembrance of the locality, I think we rather lose by the change. Tho I cannot advise, I would suggest that as we can only have walls, it is our intent to have as much of the wall as possible and not to lose space and money in making windows. We can better dispense with some light than to contract our room. But I know you will make the best arrangement.

As you asked me to discontinue the use of unnecessary letters in addressing you, I am surprised that you should inflict them on me. Please to omit it. I know there is a difference in the two cases. I used them where they were unnecessary as a recognition of merit that required no such testimony; and in my case they are undesirable for a different reason.

Sincerely & respectfully yours
J. L. Silliman

Worcester Aug 16 1875

My dear Prof Gray

I have delayed to reply to yours of 27th ulto because you intimated that I should do so but the importance of its information, in connection with the enclosed letter has kept it as a present object before my mind. Mr. Rothrock mentions of the great quantity of objects, "30 boxes ^{full} from one mound and still are not done," and stone mortars so large as to require 3 men to lift them, make me anxiously hope that these things will have their headquarters at the Smithsonian and that we can select samples that would be of very great value and would come within our capacity of storage. You do not propose to do any thing in regard to purchasing of them. Mr. Bowers and I do not see that we can make any movement with the little light we have. Before it was possible to stop it, we might draw on us a flood of duplicates, furnished in good faith, that would overwhelm the museum. The knowledge of the explorations of the Smithsonian and our Museum must excite among the hunting population of California great activity.

Your kind letter of 14th, just received, is a proper subject of consideration in connection with the probability of a large supply because it shows how little we have room for. It is very lamentable and mortifying that we should be so restricted and disabled to use our funds. I understand the motives and the necessities of

the Corporation and I do not wish to find fault but I think we ought not to expend our small income for repairs of the College building when our occupation will be so brief probably. I am glad to understand that it is not necessary to do anything for a month or two, which will give us the opportunity of Mr. Winthrop's presence with us and the deliberation of all our board. By Mr. Russell, and I hope, as Mr. W promised, he will ascertain if Mr. Russell thinks he is unable to undertake to continue to act as a member of the board.

Yours very sincerely and respectfully
Stephen Salisbury

Wenona Sept 13 1875

Dear Angeline Gray

I thank you for
your prompt receipt of the check I
sent you Saturday. I have found
your previous letter of 6th inst. where I put it
to be convenient for an early reply within
the leaves of my Bank Pass Book. I
and back enclosed Dr Perry's letter to you,
which you may wish to have

Very sincerely yours

S. Galisbreath

P.S. Sept 14 A.M. I open my letter to add that I
have yours of 13. with Prof. Baird's letter of 12th. I agree
with him that our Trustees will probably make another
appropriation of \$500 for Baird's Collection. If you
say it is urgently necessary, I will advance it. But our
Treasury is not authorized to do so. I am a little
alarmed at the coming of "3 Truss of Specimens" and
"2 or 3 times as many more"; and the articles from
Whelan in addition. But the storing and exhibiting
them is the business of the Trustees and not of
the Treasurer. We are apt to have them open
appropriations and it is desirable to have
settlements at short intervals. In addition to
your valuable service you ought not to advance
money for the Museum

Worcester Dec 8 1875

My dear Professor Gray

As your letter of 5th forwarded Mr Putnam's card, as if you were not unwilling to make the purchase of articles which he recommended and we had the advantage that he could see and judge that the articles were desirable and not duplicates, I immediately sent Mr Putnam \$150 for the purchase with the hint, that if the price was less, he could return the balance.

With the opportunity of Dr C C Parry in California and with your knowledge of his judgment, I expect he will be useful to this Museum. I will send the payment, which you may sanction. I hope he will be cautious not to purchase articles which the Indians manufacture with the processes and skills that they have learned from the Whites. I return enclosed Dr Parry's letter and your card.

Very sincerely yours
Stephen Salisbury

Worcester March 20 1876
Salembury

Dear Professor Gray

As you requested I sent on your favor of 24 to Mr Winthrop. His address is Mr James No 1401 H Street Washington and he will not be at home before April 14th. In a P.S. to your letter I added to your suggestions about printing an abstract of our records that I doubted the expediency because the records contained inchoate proceedings and not accomplished facts and the latter have been or should have been presented in our reports. I also doubted the value of the frequent printing of Indexes. One in ten years would perhaps be sufficient. I replied to a letter of Mr Putnam on the same subject with similar suggestions.

President Eliot wrote to me on 24th inst. that the Corporation were in daily expectation of receiving a transfer of the Zool Museum and they would immediately

assign us a lot and he urged that we should immediately present a description of such a lot as we desire. I replied by stating the time of absence and the address of Mr Winthrop, which Pres Eliot did not know and I assured him that the Trustees would act as promptly as possible. I sent on that letter also to Mr Winthrop.

In the mean time, as you have opportunity, I think you will greatly aid the judgment of the Trustees on the matter, if you will consider on the spot how much space we shall need and how much it will be best to occupy with our first structure and for this to confer with Trustees whom you may meet. If we have too large halls we shall be in danger of filling them with rubbish. I admired very much the department of Ethnology in the Smithsonian but I think it will not be worth the cost to establish a duplicate collection. I perceive the advantage of our cooperation with the Smithsonian and have no objection to duplicates brought to light by our explorations. When Dr Palmer proposed to get for us every thing now worn and used by the Indians I cautioned him not to take goods from Centinella in Boston and New York. Sincerely & respectfully yours
Salembury

with societies abroad & at
home & sit on the Centen-
nial Comm. at Philadel-
phia. Mr. Peabody's por-
trait of Mr. the Historical
Society have authorized us
to print copies from these
(plate) would be an appro-
priate memento piece. But
the thing ought to be well
done & done at all, or
there is no hurry about
it. This year's Report
might be printed at once
& the question of the
Records left on the Com-
sideration of the whole
Board at the proposed
meeting. I shall cheerfully
acquiesce in any decision
which we may come to.
An Exchangeable Edition,
in which all our Reports

Washington.
1401 4. Street.
Monday March
27 March '76.

Dear Mr. Salisbury,
Prof. Gray's note,
with your postscript,
reached me this morn-
ing, - and have so only
I hasten to answer it.
I cordially concur
in the arrangement
for the site. And
now if you & Mrs
Sir would proceed
once to get up a plan
of building no time
need be lost. I shall
be at home on or be-
fore the 15th of April.
There is a meeting of

the Council of the His-
torical Society at the
Dorset Library on Mon-
day, the 17th, at 11
o'clock. We could have
a meeting of the Treas-
urers on the same day
at 1/2 past 12, & if
Lynman & I, a wife, in-
decide the Council of
the year & "records" could
have a plan & made
of proceeding ready for
us, we could consider
it & adopt it without de-
lay. - "I" gave a Pro. Gray
a free to their, will you
not put the matter in
train forthwith, & let
Dr. Wheatland notify the
meeting in proper season?
Dr. Gray could easily see

Lynman & I, & they
will be willing to work on
the cause.

As to the printing
of the Records, it seems to
me that a continuous his-
tory of our Proceedings would
be convenient & desirable,
that it is due to our
Founders & ourselves to
have such a history in-
stake at some time or
other. The advantage of
having it done now would
be two-fold. I. It would
give the Record of the
man's great services &
with a portrait of him
would be a fit memo-
rial. II. It would fur-
nish a volume in our
collection with all Lynman's
Reports, fit for Exchange

I would be bound up to
-letters, seems to me more
desirable in securing
additions to our library
& would come to more
than it would cost.

My address will be
here (Mr. Eames's
1401 H. Street) till
Saturday noon, when
we shall go back to
Baltimore. I shall
be there (Mt. Vernon
Hotel) till Tuesday
morning. Then, at
Geo. W. Childs's (Lan-
-tern Office) Philadelphia
till Friday. - I shall
I mean be there ^{in passing} days
at New York before
returning home.

I hope Dr. May
will let Lyman & I go
for a week or two with

that everything will be
easy in action at
our meeting on the
15th.

I have not seen
Prof. Baird, & hoped
to have met him at
Prof. Henry's a few
mornings ago but he
is absorbed in his
preparations for the
"Philadelphia Exhi-
bition". I presume
the position of the
gold relics has been
settled.

Please let Dr. Gray
have this note with
my regards. I shall
be entirely satisfied with
nothing. I will be & soon
shall be as usual.

The Boikard, Biscook,
Houltz, & Schuch
Dana matters occupy
all thoughts here. I
still hope Dana may
be forgiven, but I
dare say it will have
been settled, one way
or the other, before
this reaches you.

In haste with great
kindness

Yours faithfully

Wm. L. G. H. H. H.

Wm. L. G. H. H. H.

Winnipeg March 29 1876

Dear Professor Gray

I immediately forward the enclosed letter from Mr Winthrop, which is intended as much for you as for me, as he requested. If we join the Lock Museum as we expected to do, I suppose we shall be governed by the general form and arrangements of the present structure with some slight changes for ornamentation and convenience. Will you please to ascertain if something cannot be saved from the unnecessary thickness of the brick walls and have a building equally firm and fire proof. A small expense may add a better other stone work on the South side which will relieve the hard outline. The North and inner side may be left plain.

Referring to my letter of yesterday I am sincerely

with great respect - yours

Stephen Salisbury

1
Mipis July 23rd 1890

Mr. Sceno Watson

Cambridge Mass

Dear Sir

You must excuse
me in writing to you and asking
for some information, being a perfect
stranger to you, but at the same
time knowing your kindness to
Botanists and being the only
one to my knowledge that can
give any information on this
subject, that is the reason I take
the liberty in addressing you hoping
you will take it kindly. The in-
formation I want is in regard to

the Botany of the Phillipine Islands
 Has there been any work done
 there in Botany? and if there
 has to what extent? Would
 it be a good field for work?
 etc etc. The reason I ask these
 questions is because I think very
 strongly of going there and spending
 2 or 3 years collecting. An expedition
 from here started yesterday for
 the Islands their aim was in-
 terly Zoological it is for the in-
 terest of our Acad of Nat Sciences
 and the Beneficence of Mr Menager
 who donated 10000 dollars for
 the purpose. He also wanted
 a Botanist to go along with
 them and he would defray
 the expenses it was impossible

for me to go then on so short notice
 but think to join the expedition
 little later on if everything proves
 satisfactory. Another thing would there
 be any prospects to dispose of any
 sets of plants collected there to
 any University or private parties
 and what would it worth by the
 100, I know that the sets would
 be satisfactory as I have collected
 plants for the last 20 years
 so I am well used to field work
 and my specimens have always
 given good satisfaction. The Academy
 would defray my expenses but my
 time and labor is worth something
 and therefore would like to dis-
 pose of as many sets as possible
 to give me some enumeration

And there is another thing and one of the main things too that is the identification of the specimens. I suppose that the Flora of Japan is to some extent similar to the Islands.

I send you by mail a species of *Betula* which I gathered here at Mijiri in a *Sphagnum* ~~swamp~~ swamp. Its habitat is the same as *Bet. pumila* which grows along here it but it is taller 10 or 15 feet high bush or shrub. There is no other *Betula* near it ~~or~~ with the *Betula* is enclosed few specimens of *Carex Torreyi* also from this place. I thought it may be interesting for you to have it from the Mammar region, as I think it is the only

Place it it ^{has} been found lately Prof
Bailey was kind enough to identify
it for me and thought it was
great find. Last summer I found
hybrid form (think it is) of Verbena
stricta with all the habit of V.
bracteosa it was very branching from
the root and decumbent.

Hoping that you will excuse my
long letter and that you will kindly
give me some information

I remain yours truly
J. H. Sander

Stockton. Cal. July 25, 91

Prof. Watson

Dear Sir

At your commission kindly
inform me in following points,
Sparganium angustifolium Eng. (S. Californicum)
is abundant here what range do you give
the species in this state at present in Bat.
Cal. Is it noted from Nevada only. Do you
can for a specimen from this locality? I
can only supply fruit and.

Zypha angustifolia is credited to S. Cal.
only has it not been reported north?

I found what I think to be it in some
places here. *T. latifolia* as noted in Bat.
Cal. is very common here.

In regard to *Hemizonia plumosa*, Gray
has it been found in any new localities. If
not where is the specimen upon which this

Sincerely

description is found. The
specimen which sent from Stratton
may yet have been brought in many
miles. Still if only sent from this
locality I would like to find it.

Truly Yours.

J. A. Sanford

5, 6, 9, 12, 13, 15,

1808 Spruce St.

Handwritten text, likely a letter or document, written in cursive script. The text is faint and mostly illegible due to fading and the quality of the reproduction. It appears to be a personal communication, possibly a letter, given the informal style and the presence of what might be a signature at the bottom right.

1808 Spruce St.

road ten in some directions.

The geographical distribution of birds interests me, and I know but little of it.

I told you that I was a teacher, & so I am, but at present it must be behind 'the scenes' for I am now a very suffering invalid trying to keep a healthy mind by studying and preparing materials for a beloved sister to use *viva voce* for those whom I can no longer meet in the class-room.

If my question has no point, do not take of your valuable time to reply.

Yours most sincerely
Frank B. Sanborn.

1808 Spruce St.

a partir du 12 Décembre
à Aix en Provence
Bouches du Rhône.

Sapristi
Saint-Zacharie
le 2 nov/87 (Var)

Mon cher collègue et ami,
J'ai été si heureux de mon séjour à
Manchester et de j'en passe ensemble tous
le tort hospitalier de M. Williamson, que
j'ai cette depuis mon retour de penser à
vous, j'ai attendu pour vous écrire d'avoir
un portrait de moi tout à fait nouveau
et dans la même forme que celui que
vous m'avez donné et que j'ai gardé
précieusement - un de mes amis a bien
voulu me photographier, sans retouches,
en sorte que j'en envoie l'épreuve
telle que la lumière l'a faite et il me
semble des plus ressemblantes. J'ai attendu
aussi d'être certain de votre retour aux
états - Mais et me voit dans une ~~des~~
me, campagnes, toute plantée d'arbres,
qui me rappellent l'Amérique, ayant ici
des conditions de fraîcheur qui me permettent
la culture d'une foule d'espèces exotiques.

Je mets la dernière main à un petit
ouvrage que j'aurai l'honneur de vous offrir
sur l'origine paléontologique de, arbre, plantes
ou utilisés par l'homme - Je cherche donc
partout des points de comparaison pour
juger de l'étendue des modifications éprouvées
par certains types arborescents à la suite
du cantonnement, de la station - sur un point
déterminé - C'est pour cela que je me
permets de vous faire savoir que vous
m'avez promis de me procurer 1° le
Hêtre montagnard d'Amérique, c'est à dire
cantonné sur les montagnes orientales de
l'état uni - J'ai chez moi le vrai
Fagus ferruginea et j'aurais voulu connaître
le hêtre d'Amérique quel'on a parfois
confondu avec le nôtre et jugé de la
ressemblance avec celui-ci -
2° - Vous m'avez encore promis le *Castanea*
Castanea celui que l'on a reconnu
l'épave d'Europe afin de juger par
la comparaison directe du degré de similitude
qu'il présente avec le *Castanea vesca*
Germ.

Je n'ai dans mon herbier que le seul *Castanea*
pumila qui j'ai tenté - manque à l'Europe -
Vous me diriez l'arbre *Castanea* similaire de
celui d'Europe est bien indigène chez vous,
ou s'il n'aurait pas été introduit aux Etats
Unis en vue de la culture -
Enfin, si vous avez sous la main quelque
type ou forme rare dans les *Quercus*
ou *Myrica*, dans le *Vitis* et particulièrement
dans le *Platanus*, vous m'en feriez bien
plaisir et je joindrais au petit envoi -
Pour le *Platanus*, par exemple, avez un
d'autre, espèce que le *P. occidentalis* ou
bien n'importe quelle forme ou race locale ?
Je ne veux rien pour la première fois
vous assommer de demande, indigestes,
si d'ailleurs vous avez envie de quelques
plantes provinciales de vous gêner par
rien à moi de moi.

Je vous prie de présenter à Madame
Gray mes hommages et respectueux
saluts et de me dire votre tout dévoué
compagnon et ami
M. de Saporta

way of specimens. and nothing in the
way of other information. for
the last two or perhaps
three years. I don't say
this in any spirit of
compliment, but only to show
that I cannot take for much.
unless he will consent to
change his method of
collecting.

Yours faithfully,

C. S. Sargent.

BROOKLINE.

March 1st.

Dear Dr. Gray.

I return Pringle's letter.
I will of course see him
unless he decides, as now
seems probable, to sail
on Saturday of this week.
rather than a week later.

If he goes this week.
I shall go over to see him
Thursday. When I take
these sample pages will

be ready.

I shall be glad to
subscribe personally to
Wright's education if he
will agree to confine
himself to say six vols.
and consider a longer
unitary: Of course what
I want for him is

information to regard
to the distribution of the
trus. especially of those
which enter the U.S.

Such information he can only
get in a very limited
way if he undertakes
to make such a vast
number of the unions. He's
health, too, along & breaks
down under the strain
of such labor. and failure
is the result.

I have done a good
deal for him in the way
of various presses, but
have got very little in the

November 4.

BROOKLINE.

Dear Dr Gray.

I should say decidedly
that there were no
prickles on the branches
of the Florida. Xanthoxylum.
Certainly none for the
specimens show any
signs of them. The
back of the trunk is
quite smooth and
unmarked. I suppose

you will soon be in Burserae

Dir. Tutson tells you that

PHILADELPHIA

I found what he takes
for a new Amegris
on the Rio Grande below
Brennsville. and on our
side of the river?

Shall I send it to you?

How do you like the
enclosed for Vaccinium
hirsutum? It is

sent from Robbinsville
in N.C. not far from
Buckley's region?

I can make nothing else
of it.

Yours faithfully.

C. S. Sargent.

Prof. Asa Gray

Cambridge.

[illegible]

Boston
March 8th 1844. J. J. Caldwell

[illegible]

if they know what P. bracteata
really is, it is one of the rarest
trees in cultivation. You can
form no idea of the confusion
that exists in England in regard
to the A. American Composae.
Something right & must be
done about it.

I cannot tell you how much
I have enjoyed my trip, &
how much of the pleasure of
it I owe to your letters of
introduction, which have everywhere
given me a delightful welcome
& which have allowed me to see
everything that otherwise would
have been shut to me. I hope

very Backhouse is wonderfully
successful. I seem to get on
perfectly with every thing he
has sent him. Even Prunella
Pungy seemed to be growing
nicely. I wonder if he will get
it to flower! I enjoyed
New. & found Dr. Hooker -
charming - we had a great
deal of talk about you, &
the importance of your work,
which I hope is going on
well - in the whole I like the
Garden at Edinburgh better
than any I have seen. It is
better laid out than any Botanic
Garden I know, and to me

London March 27 '1874.

My dear Dr Gray,

There is a little change in my plans, and we are to sail for New York, and not from Boston - but always on the same day, March 31.

I am taking out a couple of cases of plants for the Cambridge garden, and these, to save time, I will express directly to you from N. Y.

Will you kindly see that they receive proper attention?

We have seen your friend

Miss Salomon, and her charming
Fulham garden. What a
delightful person she is!

She has been most kind to us,
my I suspect, because she
found out that we knew
you and the Howlands.

Mrs Sargent joins me in
kind remembrance to Mrs
Gray & yourself.

Yours in great haste,
A. S. Sargent.

Acacia Gray.
Cambridge.

I have just a large box of
Kew plants for you sent
by Hiver.

Brookline, Mass., April 18th 1881

Dear Mr. Watson.

Tell me please send me
a flower or two of Chelidonium
menziesii: or what will do as
well a very young berry, but
this should have the peduncle
attached.

Did Buckley make one
Hoopesia out of two species
of Alnus: and if so is either
of them a tree? He claims that
his plant is such. Is there any

thing in the herbarium to show
for it; and what of ellorms
micropkylls. is it a species?

Yours very truly.

C. S. Sargent.

Sevens Norton Eng

Cambridge.

Can't you tell us now what
the Salix and Betula are
if you sent some wood
specimens?

Sargent

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 13th 1887

Dear Mr. Watson,

at Bell's request I have
and the enclosed received
this morning - If I understand
his remarks. You mention
yellow is S. Scutellaria.
var flavescens Bell. (und.)

Bennet's name published in
Prokes being prior to Nuttall.
S. flavescens published in
1852?
Yours truly,
C. S. Sargent.

Brookline, Mass., May 16th 1881

Dear Mr. Wilson,

The Palmer specimens have
arrived safely - Many thanks.

But how much do I owe
him for them?

I see he has a Cubensis
for Mexico. What seems the
same as frederici & Pringlei -
the last from the Ints north of
Texas; and why they are not
all C. macrocarpa I don't yet

see.

Yours very truly,

C. S. Sargent

The Subject.

Dear Mr. Gray.

C. S. Sargent.

Professor Alex. Gray.

Cambridge.

We must get to Mexico

as soon as possible, as

until we know more of the

Sylvia of Southern Mexico.

All work on the distribution

of our species must be incomplete

& unsatisfactory.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Jan 21, 1887

My dear Dr. Gray.

I send you the promised
list of North American
trees (north of Mexico) as
I now understand them.

I divide the Continent at
the Eastern edge of the
Rocky Mts. including in
the Atlantic Sylvia. Those
the west of Mexican origin.
What enters our territory East
of those Mts. and in the
Pacific Sylvia. Those occurring

to New Mexico and Arizona.

I hope that you will agree
with me that the Lyman. &
perhaps the whole flora of the
Interior Region belongs to
the Pacific division and is
not a flora by the way and
we have always considered it.

This I think is proved by the
fact that most of the
northern Pacific species are the
prolongation of the Sierra
woods. + enter far into the
Interior. while some species
such as *P. longimanus*. &

Pinus occidentalis that have
previously been considered endemic
to the Interior Valley mark
the influence of the coast.

I shall be glad to compare
our trees with those of Europe
and western & tropical
Asia. but with perhaps the
exception of Japan. I cannot
venture to make these
comparisons. for want of
proper information in the
latter. But perhaps between
us we can do something
in this direction.

If you will look over my tables
I wish to see you any soon on

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., June 1887

Dear Doctor,

Thanks for your note. The
Aldermen have still to act
on the petition, but I have
little fear of the measure
being defeated at their hands.
I am glad to have this troublesome
matter off my hands.

When the books mentioned in
the enclosed reach Cambridge,
will you kindly buy them aside
for me, and let me know the
amount of my indebtedness to you.

Faithfully, C. S. S.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., June 1 1882

My dear Dr. Gray,

The enclosed copy of
note which I have made
for my Cybele article
in Forests may be of some
service to you.

America is an easy forest
in the west, but the true
American species of the Atlantic
Region are not much ahead
of Japan. Nowhere else
the comparison could be of the

letter is taken into consideration

and in the fact that we

have got, no doubt, much to

learn of the Asiatic trees.

I shall be over to see

you the first of the week.

That Mr. Wright will get the

names of his plants with

'em. I hope he will be

he should be in Southern California

very next month to get through

all the work. I have laid out

for him.

Truly yours

C. S. Sargent

Your own house.

Write Mr. Lake that I mean
to visit a French museum.

I am always faithfully yours,

C. J. Sargent.

Professor Asa Gray.

Cambridge.

February 11/82. Brookline:

My dear Dr. Gray,

Some of your friends are anxious
that the College should possess
a really good portrait of
the present Fisher Professor.

The matter has already
taken some shape; and
I am fortunate in being
selected to carry their
plans into execution.

I write, therefore, to ask you
to grant as the privilege

of embellishing the University
with a lasting impression of our
face; and to say that, in
the absence of any really
good portrait painter in
this neighborhood, it is
proposed to have, with your
consent, a bronze bust -
which if you have made
by Mr St Gaudens of
New York. His portraits
are very fine and very
strong; and his work, I

am informed, possesses a
permanent artistic value.
unequalled by that of any
other American artist of
the present day.

I have just heard that
Mr St Gaudens is about to
be here in the course of a
week and with your
permission I will take
him to see you. He brings
about nothing so. What
will. I hope all be in

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Dec 15 1884.

Dear Dr. Gray,

I too thought that the money
had been appropriated and
paid over to Harper long ago.

I will attend to it at once;
but if there is an appropriation
to be made it cannot be done
until the next meeting of the
Trustees, which will take place
on the 2^d Friday of January.

If you have payments to make
in the mean time in this connection
may consider me your banker.

I will see our Treasurer today

and find out exactly how the
matter stands. and write you
again more definitely in regard
to it.

Faithfully yours,

C. S. Sargent.

Professor Wragley

Cambridge.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Dec 15 1884.

My dear Dr. Fay,

I find that about a year
ago the Trustees of the A. B. S.
voted a thousand dollars for
Mr. Watson's salary for the
year ending with last August;
and I fancy I must have
written you the fact at the
time. The Treasurer, however,
had forgotten to make the
payment at the time, but today
he has sent Hooper a check for
\$1000; and at our early meeting
I will get the appropriation renewed
for the current year. Yrs C. S. S.

Dec 23^d.

Brookline.

Dear Doctor,

I arranged at a meeting
Friday of the Agricultural
Trusts for Mr. Watson's
money. (\$1000). It will be
paid to the Treasurer, and you
can get it at any time.

Engelmann sends, with other
things, some roots of Helianthus
hispidus. What are to be
shared with you. Dawson has,
I suppose, already sent them

now.

I hope you will all have
your merry Christmas;
but what dreadfully cold,
weather for it!

Faithfully yours,

C. S. Sargent

Professor Asa Gray
Cambridge.

Nov 24

Brookline.

Dear Doctor,

There is doubt the Trustees
will do what we want them
to do. I will bring it up at
the next meeting: and endeavor
to bring it at the last: but
his presentation from being present.

I have just come from New
York. I saw Thurston
and some of his friends.

It is thought that will be

(Yours and mine) association
something really good can
be done for Sweden; and
I shall try and see you
in regard to it in the
course of a very few days.

The two notes have been
settled for; three hundred
dollars of Sweden other
debts have been paid
and there is still a
balance on hand of about
eight hundred more.

Now I want to get \$5000
to pay off half the mortgages
in the suffering places. overdate
the note of interest upon the
remainder. I believe that
this can be done.

Yours faithfully,

C. S. Sargent.

Brookline, Mass., Jan 20 1886.

My dear Doctor,

Thank you for the 'fey' annotations.
There seem to have been two very large
errors: the relating to the Institute of
France. (really not my mistake, but that
of the Institute itself); and the about
Torrey's Herbar., which probably I had not
looked at for years. This last is invariable
about your third trip to Europe. (the first
after you went to Cambridge?) I have but
very vague ideas; altho I remember some
finding Egyptian plants in your herb.
apparently collected by yourself. You should
by all means write out a brief account.
(with as many personal anecdotes of
European naturalists as possible) of your
third last European journey. For you must

remember that you have no historical
contemporaries. (Not a pleasant thought!)
to ~~write~~ ^{record} all these things ^{for you} "must that there
is a long period of time. say from
1840 to 1865 or 1870. ^{during which} "the young generation
of botanists know little about you. wait
for your books. And then there are all
your letters! Suppose it is laborious to have
you to do any thing towards putting them in
order for publication, but could not I now
begin to do it under your directing eye?
Many of them must relate to events
about which no one now knows any thing about
but yourself, and a few short explanatory
notes. could greatly smooth the way for
any future biography you may have.
Pray think seriously of all these things!
They are worth it!

Warmly appreciate the Darwinian loads
you had to carry for years. and in the

article as first printed this sentence
occurred "He became at once, however, the most
conspicuous and distinguished figure in America
in the Darwinian discussions, of which he long
bore the brunt; and the halls of the
American Academy were in those days
the battle field of intellectual giants, and
the victory rested with the opponents of the
new belief." I did not like its construction,
and could not alter it to please me. and
so cut it out entirely. I made a mistake,
I believe, in doing so!

Faithfully yours,

C. S. Fagerant

Prof. Asa Gray
Cambridge.

December number of the Journal.
(1841). when I was eight
months old) this article.

Should also appear. if possible,
in December. to make
the references. of date
accurate.

Yours faithfully.

C. S. Sargent.

Prof. J. J.
Cambridge.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Jan 3^d 1841.

Dear Doctor,

Here is my Christmas
talk, which I have ventured
to put in the form of
a letter to you: and
this I write for an article
in the American Journal.
if you approve of such a
distinction for it.

I don't suppose you will
agree with me about the
Progenies. but I am.

unable to reach any other
conclusion.

I don't fear that the
publication of the Shorts
Station will lead to the
termination, as the
month of the Work is
not in every place
to reach; and besides the
is a good deal of the
plant there.

Mr. Sargent and
I now expect to sail

in the 13th for Key West. but I shall
of course see you before we
go. I should have been
here long ago. but had
just been driven to North
Carolina. with my family.
and I have been
here for morning till
night.

As for Charles's article.
has been published in the

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Nov 11 1886.

Dear Doctor.

I have just rec'd the
enclosed. for Mr.

J. E. Boynton. who
was with me in September.

Perhaps it may be
desirable to add this
bit of information about
Shuter to my post-
note. to the article.
in Am. Journal. Beech.
Crab. probably. flows.

into Horsepasture on
Kennebec. although I do
not know it by name.

We are just leaving
for the train and

about to sail for

New York. tomorrow.

Good bye!

bye you...

L. S. Sargent.

Highlands Nov 7-86

Dear Professor Sargent:

Several days ago I went to Cashiers Valley to get seed of the *Rhododendron vaseyi* for you. After get^{ting} there I could not withstand the temptation to go on down through the country and look up *Shortia*.

I made a sort of calculation as to the direction in which the forks of Foxway & H. Pasture were from me, and started on through the woods in a straight course. I went through some very rough country and finally came to a little settlement called Bear Camp, way down in a deep

(2)

core. Here I found Ilex mollis.
at least I think I have. I
gathered seed of it, of which
there was a small quantity.
In this core was growing
some of the finest Beeches
that I have ever seen in
the mountains. There are
some very fine trees of
Liquidambar growing there
also. One measures 98 1/2 inches
around the trunk.

A small stream called
Bear Camp Cr. runs through
this little valley I followed
the Cr. down for several
miles and finally came to a
bank covered with Shorlia
There was no road covered with
it just as Galax covers places
about here.

in it? Palmer's pictures

is under for publication.

I must say something about
it.

Yours faithfully,

C. S. Sargent

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., October 23^d 1888

Dear Mr. Weston,

Is there any thing to be
said about San Pedro
Martin Island except
that it is in the Gulf of
California. That it is
covered with Cereus

Pringlei? Are there
any notes of Palmer's
in regard to it, or does
any thing new or interesting
besides the Cereus grow on

4.44

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

4.16

1.67

5.43

4.44

95

Brookline, Mass., Jan 12 1889

My dear Mr Watson,

Kiddan knows nothing
about the origin of the
Helianthus seed. Some-
body in New Mexico gave
him, in 1842, seed of a
"Sunflower from Arizona", what
he thinks it is our plant.

On the strength of this meager
information perhaps you will
be able to write an account
of the plant to go with the
picture. Yours faithfully,
L. S. Sargent.

Now we stop for a moment, but
 now for further west. It appears

to follow the mountain in going
 south: This is true of C. tomentosus.
 it is, however, just to me.

The aspect from of C. occidentalis:

can hardly be kept apart.

A further view with South.

Thin glacial layer and

2-3 flowered conifers. It is

to be Elliott's C. populifolia.

but this does not come into

your eye. I wish for joy of
 them! Good by.

Yours truly,
 C. S. Sargent.

Brookline, Mass., July 2, 1889

My dear Mr. Watson.

This is my idea of the
 forms which I have gathered
 with for many years. and
 here collect the large amount
 of material. This is, of course
 at your service if you care to look
 at it. C. tomentosus + C.

punctata are both plants of

comparatively narrow range.

The latter is very common in

Western New York + in N.Y.

C. spatulata, Michx. Shrub or small tree 15-24°
high.

C. cordata, Nut. Insect after "west to ill."
and S. Ill.

3 C. viridis, L. Insect before last sentence
(C. arborescens, Ell.)

C. coccinea, L. (Sandwich-island Thorn) A
Shrub or low tree with reddish branches, and
stout chestnut-brown spines, ~~and~~ villous pubescent
~~stems~~; on the stem & glandular peduncles and
on slender petioles
calyx; leaves, ^{or} then, pubescent on the lower surface,
or ^{often} ~~scabrous~~ glabrous, roundish ovate, sharply cut with
glandular teeth or sometimes cut lobed, cuneate
somewhat cordate at the base ~~on the slender petioles~~;
or ~~slightly~~ flowers white (1/2" broad); fruit bright coral red

globular or obovate ($\frac{1}{2}$ " diam) - Thickets +
 rocky banks Newfoundland to Fl., west to
 Minn. + Tex. Passes into

Var. macracantha, Dudley. with longer and
 stouter spines, thicker leaves with ^{nearly entire} cuneate ~~base~~
 tapering into a stout petiole, ^{sharply} serrate and
 after deeply incisive above the middle, pubescent
 or rarely glabrous on the lower surface; broader
 many flowered pubescent cymes + rather larger
 flowered spires. - Valley of the St Lawrence + E.
 Mass to ^{Manitoba} ~~Colorado~~ + Washington. The extreme
 form is.

Var. mollis, Torr + Gray. A tree 20-30' high.
 with densely pubescent shoots; large broad
 leaves ^{on slender petioles} usually incisive cut into acute, narrow
 angulate lobes, cuneate heart-shaped or broadly
 truncate at the base, often slightly serrate on the

upper surface, the lower more or less densely
 pubescent; broad pubescent cymes with large
 flowers (1' broad) and glabrous or per-shaped
 bright scented fruit (1" ~~in~~ broad) covered with
 a light bloom. (C. subridens, Schrad.). E. Mass.
 to Ten. & Mo. and Southwest to Tex. & N. Mexico.
 The largest of the northern Thorns, and flowering
 12-15 days earlier than the other forms of C.

Coccinea.

C. punctata. Jacq. A small tree ^{destitute of glands} with
 horizontal branches.

fruit large glabrous (1' broad), red or bright
 yellow. - Lower Canada to Ontario & south to the
 high mountains of N. Carolina, and Ga.

C. tomentosa, L. Shrub or low tree dioecious
 of glands. with gray branches, unarmed, or rarely
 with occasional stout, gray ~~thorns~~ spines; shoots
 peduncles + calyx villous, pubescent; leaves large,
^{below} with prominent veins, densely pubescent on the
 lower surface, ovate or ovate oblong, sharply serrate
 and usually incisely lobed towards the apex,
 contracted into a margined petiole; flowers small,
 white with disagreeable odor; fruit usually dull
 red, ~~ovate~~ or obovate or rarely globose ($\frac{1}{2}$ " broad),
erupts at maturity. — N. N.Y. to Mich. and
 Mo. and south to E. Tex. + Ga. Flowering 2-3
 weeks later than C. coccinea.

Cross Gallia — with horizontal branches

C. flava, var. pubescens.

larger, ($\frac{3}{4}$ " broad)
 fruit, ^{several} or sometimes yellow, used for
 jellies or ~~preserved~~ ^{with} the flavor of Guava jelly.

Brooklyn. Dec 23/49

My dear Mr Watson

I don't remember ever to have
heard the name of Mrs Mosely.

Could you have got the Rose from
Mennand, an Albany nurseryman. for
when he did get the *Jap. Volubilis*. C. S. S.



~~From~~ From To Walter Deane
him & his
Luna Watkinson To Walter Deane
Boston of Mrs. Watson
Cambridge Mass.

to Ataria Hallii for the

specific name. as it is

so known. quite generally
in the neighbourhood of Boston

If Fern has not done
so already he will send

you over the specimen he
has made for you. The
plant does not show
its seed here.

Yours faithfully

L. S. Sargent.

Thanks for Boyer.

Brooklyn. Feb 20/96

My dear Mr Watson,

I send you proofs of the
illustrations of Darbya +
of Dr Hall's Chamae.

Among this. (or whatever the
genus is - Lycoris?) for
which Mrs Stiles will be
glad to get descriptions
at your convenience.

If the Atarythis is
undescribed I should
think it would be well

Brookline June 27/90.

My dear Mr Watson.

I notice in the "Synopsis
of the orders of Plants"

in the Manual. that

in the 1st section of Thela-

myflorae ~~that~~ the
leaves are described as

to be stipular. which is

Ranunculaceae. The leaves,

however, of Megastis and

Triodendron. are stipular

and are so described further on.

Micmear is described

as to be stipular. But in

Flex they ^{stipular} are well developed.

although generally early

deciduous. although in

Flex obs. they are

after frost in the spring

of the second year.

Yours truly,
C. S. Wiegman.

at the S. E. of Miller's Dict. (a copy
of which I can't get) over of the
description of Fraxgala. Americana.
has it doubtless. whether he
was talking of the Rhynchus

Cassidaria. And write for
tell me the place in Arizona.
where Rhynchus ariz. has
been found. (See Bot. Cal.) There
no specimens except for California.

I would go over and see this myself.
but my mother is so very ill.
that I don't like to leave home
for any length of time.

Yes! poor women are abominations.
your very truly. L. S. Sargent.

BROOKLINE.

Jan 12/91.

My dear Mr. Watson.

I don't find a specimen from
Brough of Brashea dulcis. but I
have one collected by myself in the
Pinto near Monterey. The leaf is
deeply cleft into narrow segments
which are quite filiform on the
margin. I took specimens of the
flowers to Kuna with me once. and
found that they agreed with what
was called B. dulcis there. Shall
I send over my specimens. for you to
look at? I wish you would look

BROOKLINE.

Jan 26. /91

My dear Mr Watson.

I have enclosed my
copy of Trelenis paper
on electroence. Will
you lend me yours for
a day or two to verify
a reference?

How long is Smith
going to be in this part
of the world?

Yours truly,
C. P. Sargent.

printed Sinteris on p. 71 of the
1st vol of the Silen. but I am inclined
to think it wrong. That Sinteris

is the Latin possessive of his
name. You will find his labels
in the Herb. perhaps under

Sinamita Tulae. described
by Urban. see note 3 on p. 89 of
Silen. is a name which if you have
it. perhaps will give the
collector's name.

as far as I know. Columbina.

achineta. was first collected

in Florida. by Curtis in 1841
or 1842. Is there any thing in the Herb.

BROOKLINE.

Jan. 28/91

My dear Mr. Watson.

I return Tulare with
thanks.

Do you know the right
spelling of the man's
name whose Porto Rico
plants were determined

by Urban. Sinter, ? Sinteris?

Sinteris? The last has been
used in the Bot. Gazette. in
a letter from Urban. It has

to show that it was found
there earlier.

Sorry to have missed
Smith and all the
other visitors

Yours very truly,

L. S. Sargent.

Britten calls my attention to
it. What about Buckley's
Alsander argentea which
you kept up in the Index?

I have never seen it. but
the description is good
enough for Al. glabra. I
should like to get rid of it.
unless there is something
in the specimens. to make
it impossible.

Yours faithfully,

L. S. Sargent.

BROOKLINE.

Feb. 5/91.

My dear Mr. Watson,

If you have a copy of
Endlicher's Novarum stirpium
Decades. will you lend it
to me. and also Pax's
paper or papers on Aster?

Have you any reason to
believe that your Columbian
Greggia. was collected by
the Mex. Bound. people within
the limits of the U.S.?

to me why you give up in the
New Ed of the Manual. Willdenow.

Spondus marginatus.

What from the description or
locality must be our plant:

But if this name is given
up. why is not Refineyana
S. pilatus (Mex. Bot. 11. 261.

1836) an older name

than his. S. acuminatus?

There only part 14 of the
New Fl. published in 1858.

but Purzel gives this as
the date of the whole work.

Yours very truly.

C. S. Sargent.

BROOKLINE.

Feb. 9/91.

My dear Mr Watson.

I am very much obliged
for the books. I will return
the Endlicher tomorrow.

but should like to keep
the other for a week or

ten days. if you are not
using it. But I am

afraid is landing us down

with a lot more useless

synonymes. It is not clear

only. but does not seem to
differ from AE. glabres. I suspect
AE. arguta to AE. glabres
with a ? in the filices.

I had three good days
in Bermuda. - a pretty
place, but not much botany
and wretched gardens.
except for the Oleanders.

which are finer than I
have ever seen elsewhere.

Tristram's form.

C. S. Sargent.

BROOKLINE.

May 26/91.

My dear Mr Watson.

I don't think that there
is any variation in the
number of leaflets in
AE. scabra. I have seen a
specimen of Buckley's AE.
arguta in the herb of
the Phil. Acad, and
probably the only one
that is left. It is in bud

in what is now the Indian

territory. I am inclined

to think that Coturnus is

a pretty good genus, and
quite a natural one at that.

Have you a brother living still
in Manhattan, Kansas? Long

ago you gave me some Plum
stones he had sent you. The

plants raised from these stones

don't seem to fit into any

described species, and I
should be glad to find out some-
thing about the wild plants. Our
Plums are badly mixed. ^{Dr. H. J. G. S. J. G. S. J. G. S.}
C. S. J. G. S. J. G. S. J. G. S.

BROOKLINE.

May 30/91.

My dear Mr. Watson.

I see that in the new
Ed. of the "Manual" you

credit Rhus Cotinoides to

Mo. + Tenn. I did not

know that it had been

found in either of these

States. Have you got

specimens? At the

old locality I take to be

Have you got the 8th Ed

of Miller's "Dictionary";

and if so, does he

give any name in it

to our Prunus Caroliniana?

This name or "Padus

Carolinus" is generally

credited to the 7th Ed. but

in the Ed. ~~(his no 6)~~ "Carolinus"

does not appear west to

the Country, where the plant
(his no 6)

came from. So if not in

the 8th Ed. why is it

BROOKLINE.

June 9th

Dear Mr. Britton,

Can't I induce you
to come over and lunch

next Saturday at

1.00? I have asked

Farlow to come.

Yours faithfully,

L. S. Sargent

(over)

Marshall's name. (a very

bad one in the house

he always enters) the

alderman?

L. S. S.

Vol 1. p. 219. But if it is
possible to make out of

his Gleditsia. merrim.

is our Native Laurel or

fringe says it is in the

G. merrim. of Linnæus

(2nd ed of the Specimen). which

is only in part, if at all,

an American plant.

If you will send me a card
on the subject it will save
me a trip to Cambridge.

Yours faith fully,
L. S. Sargent.

BROOKLINE.

Sept 5 /91.

My dear Mr. Brewster,

I am glad to get the
Honey duplicates. which
have come all right. Now
let me know how much
they cost for. or what we
are to pay for them.

Then for a copy of Cranz's
Forest Rar. Herb. and
if so will for look at
Sargent

return to me at your convenience.

I've heard of having sent for

a lot of Balls' herbarium.

suggest that it contains duplicate
lycous plants. which might, perhaps,

come to us. How is this?

Have you any thing in the
herb. to show that Cucur

leucodermis grows in New York.

as stated in the Manual.

Sorry to hear that you have
a bad cold! Take care of
it.

Yours faithfully,
C. S. Sargent.

BROOKLINE.

September 22.

My dear Mr. Watson.

Many thanks for your

note about Robinson

versicolor. who came just

in time to save me from a

bad ship.

Faxon estimates the value of
the Henry specimens as

\$16.00. I enclose my check

in receipt which please sign
Sargent.

and friends to come also.
I should like Mr. Shugart will
consent to venture into
the country for the sake
of seeing his botanical
friends.

I hope you will be
able to manage it.

Yours faithfully,

L. S. Sargent.

HOLM LEA,
BROOKLINE.

Nov 30

My dear Mr. Watson,

I want you to bring Mr.
Smith to Brookline. and
as I have day light is
valuable to him I suggest
that you come over and dine,
either on Monday or Tuesday
as you may prefer. at
half past six or so. When I
hear what day will be
most convenient to you.
I will try & get Fendall

HOLM LEA,
BROOKLINE.

Dec 1.

My dear Mr. Watson.

We shall expect you
on Tuesday at half
past six m.

Yours faithfully,

L. S. Sargent.

Dear Sir

Mr. Munster, who
for two years has been
private tutor to my
son (who enters
Cambridge this
summer) was good
enough to write
to you a very request
asking the meaning
of Cephalotaxus.

In the letter
you so obligingly
wrote to him in
reply - you do not
quite answer
what I wish

* The identical plant
through Mr. Munster I have now taken
the liberty more directly myself
to ask you for such information
as you may possess - I presume
having had some conversations with
the Society and Sir Philip Jones about
this the Society
You will be pleased to know
that the Society of Antiquaries, I think
I have always been informed by
Mr. Munster that the Society is now
in the hands of the Society is now

to show - Vif the
Meaning & derivation
of *Cephalotaxus* -

I should perhaps
inform you I have
undertaken to edit
a new Edition of
"Dorrons Landscape
Garden" which is
quite behind time
in the flower orna-
mental tree - There
being upon any
place some 98. Ever
greens alone, not
mentioned by him
which I esteem

Generally ready - Among them
I have no the *Cephalotaxus*
mentioned by you as there is a variety
you do not mention, which I send
on the first of the genus. As
Cephalotaxus I esteem - has shown
the male being much the most
beautiful as well as the female
as the flowers are very small
I have as yet given the derivation
of the genus, I ventured to
trouble you

growing upon ^{very}
place perfectly hard
about 8- or 9. feet
high -

I have always
had the impression
that this plant was
sent to Mr Downing
by Dr Torrey or jointly
for a name & that
he (Downing) named
it Torreyia, will you
be kind enough to
inform me if this
is so? - I have, also
the *T. mucifera*, this
however is new -

You will excuse
very troubling you in
this matter, but as

in this new edition, I. wish to intro-
duce the Cephalotrypes, I. desire the
free to assign to them a denomination

With much respect

Yours &c &c

Henry Wriethrups Sargent

Woodchester

Essex

R Gray

Cambridge

Duchess St. N. Y.

18 June 1837

Worcester
J. H. Hildbrand
Duchess Co.
July 10. 1858

Dear Sir.

I take the liberty
of enclosing to you

3. Specimens of
what I suppose
may be varieties of
the genus *Tasmodium*

No I. Imported by me
from England some
years since as —
Tasmodium Pendulum —

No II. — Also from England
called *Glyptostrobus*
Heterophyllus —

No III. — From France
called — *Glyptostrobus*
Siniensis Pendula

I give you the names as
I used them without being
responsible further
consequences! —

Are Nos 1 & 2 identical
if so — why is one called
Taxodium & the other

Glyptostrobus? What is
the meaning & clarification
of this last word —

I have no work at
hand which mentions
it —

No 1. I have known
some years as the weeping
Cypripis — this worked
standards high on the
Common Taxodium Distichum
is deciduous & weeping

The Glyptostrobus is
also worked

as Taxodium Distichum
but differs so little from
No 1. that I see no
distinction —

No 3. also worked as
Taxodium Distichum is more
delicate & a more expanded
leaf like the street (Tax. Dist.)

If you can tell me
the derivation of

Glyptostrobus ^{senilis} — &
the difference between it
& Glyptostrobus heterophyllum
as well as with Taxodium
Pendulum — I shall be
much your debtor as
I am for your obliging
letter respecting Cephalotaxu
copy from both

Henry Wintthrop Sargent
to Gray — Bot Garden Cambridge

Corresponding exactly
to Robinson's description
viz

"This is the best of all
dwarf silvery leaved plants
for gardening purposes
It is very dwarf and
spreading - scarcely rising
above the ground -
but forms a dense car-
pet of little flat spreading
silvery leaves & will prove
a good to those who
wish refinement in
bedding out -

It may be said to
carpet the ground with
silver & as it is barely
an inch high it re-
quires to be cut off from
the coarse plants.

I. Has it from W. Minier
of the Botanic Garden
Hull about 5 years ago
Have found it easy to
propagation -

W. Minier writes it is
a native of the rocky
mountains from which
it was sent in 1848
with another very pretty
silvery leaved species
dwarfer - it is possible -

The New River has ^{no} a species
is more for either so
I. was obliged to christen
it myself as I could
not identify it with
any species described
in De Candoille's
et. Enalata the two
varieties & should be
glad to know

Pertham Dec. 6th 1851

Dr Grey, Dr Sir, Yours of Oct. 25
was duly received, I am pleased
that you think well of my coins.
I wish to send Part 2. to all that
have rec^d part 1. I sent 3 copies
of part 1. to you in England, have
given one to Warr, one to Hooker
& said at that time, that you
should soon go to Switzerland &
would present one to Alphonse
De Candolle in my name, but
whether you did so or not, you
never told me. I wish to know
what you did with the third copy

Chas. Grey

that I may send part 2. to the
same person. Mr. Ward sent me
a letter of thanks, and spoke
very highly of the work. I sent my
part 1. to Kunze, Thelatzsch, Gay
but have had no acknowledgement
of the rec^d of the same, Booth
has written me twice. I have finished
my copies I am ready to forward
them as soon as I can learn to
whom. I shall have to solicit the
favor of Tuckerman or yourself, or both,
to forward the copies to Europe.

I wait your answer—

cordially yours

H. L. Sartwell

P.S. I am anxious to see your
new genus Sartwellia, and hope
you will find your lost specimens.

P.S.nd I have opened this letter after
sealing, to ask you if you suppose
Sullivant would wish to exchange a
copy of his mosses for a copy of my
coriis.

Evoke by him, I will then
say what I wish to be done
with them. cordially yours
N. P. Sartwell

P.S. I was going to ask about
the next vol. of General
Illustrator, what progress?

Dear Van Dec. 16th 1857

Dr Gray
Dr Sir,

If you understood that I had
rec'd an acknowledgement from
Gay, it was a mistake, I might
have written Gay instead of Ward,
in my haste. I suppose you comes
~~here~~ with Gay - I wish you would
^{write} ascertain whether he rec'd my
vol. 1. I sent it by Turkerman, who
says he went to Lille, I think he
sent it with his own parcel, to the
Cane of Montagne, & as Montagne
acknowledged his parcel, he thinks of
course that Gay rec'd his. I don't want

Sartwell

UP 40 of

to send Part II. to him unless he has
rec^d part I. & so of the others,
I sent Part I. to Klotzsch, which
with part II. will probably go into
the Royal Herbarium, I wish you
would write to him to that purpose
As to Schlechtendal, if you write to
him to get Kunze's copy of part I,
I will then send him Part II.
I hope you will write to DeCandolle
Gay & Schlechtendal as soon as you
can make it convenient & let
me know the result
I learn from Buckley, that Dr.
Merriam thinks of going to the
Bahamas this spring on a botanical

tour, & has requested Buckley
to accompany him. I suppose that
the islands have been but little
explored, but whether any plants
not found on the continent, grow
there, remains to be seen. Should
Buckley go, it would be pleasant
on account of his company, but
I think Merriam would do as well
alone. When Merriam was with
me, I tried to learn him how
to make good specimens, I think
I succeeded pretty well. Buckley never
yet prepared a good specimen, I
wish you could see his Herbarium.
Should Merriam come this way
I will send my copies for

Penn Yan July 16th 1852

Dr Gray,

Dr Sir,

I this ^{day} have forwarded to you by Express a box containing six copies of my Caries, part 2. & copy each for Boott, Gay, Hooker, Walt., DeCandolle & Klotzsch. I did not know how to direct them all, & request you to fill up the superscriptions & forward them to their destined places as soon as convenient, and would it be asking too much, to drop a few lines to each with my best regards? I also send a small parcel for Tuckerman, which you are requested to hand to him, & in the bottom of the box I have put a small parcel for yourself containing some very nice specimens of Polygala Senega. & three or 4 other things, which I wish you to examine & advise me of the result. — our Express Agent says he cannot take pay to your place, I have therefore paid only to N. York. Whatever charges accrue from N. York to Cambridge I will cheerfully refund. I should like to know whether Klotzsch, or the Royal Herb. at Berlin ever recd my first part, Should you be writing to Klotzsch, I wish you would ascertain, we will send this part 2. any how. — In April 1851 I recd a letter from H. G. Reichenbach jrb. then of Dresden, soliciting an exchange of plants, which I was glad to do, as I have more plants than I know what to do with, I wrote to him complying with his

request, or rather agreeing to do so. In Oct 1851
I rec'd an answer, stating that he would put up
a parcel & that it would "leave Europe in the
beginning or middle of February early." I have not
heard from him any more & whether he ever sent
the parcel, I know not. Have you any corner
pouches with him? Is he a scientific botanist?
Was it from your recommendation that he applied
to me? His letters are so Dutchy that it bothers
me very much to understand what he wants.

I have not succeeded in making the seeds of *Santuvellia*
vegetate. Should you get any more or perhaps the
cimens, save me some seeds & I will make another
trial. If you have any other seeds of cane plants, I should
be pleased to plant them. Hoping to hear from you
soon I remain most cordially Yours

H. P. Sargent



Prof Asa Gray M.D.
Cambridge University

Mass.



John H. Brown

and the Candolle & they can wait
a little time.

I hope soon to learn that you have
found the *Polygala* in the box.
Cor. Dear Sir, Yr. Servant

A. J. Sartwell

Yr. Servant

Serran July 26th 1852

Dr. Gray,

Be kind your letters of the 17th
21st int are on hand. I will notice
your post scrip first. You say, "the
papers at the bottom of the box are
all empty, not a particle of
Polygala senega". Now with all
due deference I beg leave to think
that you did not carefully examine
to the bottom of the box or you
would have found a small parcel
for yourself & one for Treherman.
I put some loose papers at the very
bottom of the box, then I put in a
parcel wrapped by itself containing
3 specimens of *Polygala*, 1 *Millium grandiflorum*
2 white flowered *Gnaphalium officinale*,
a California *Phacelia*? & another fine,
but small California plant. I did
not forget to put in the specimens!

I laid two pieces of hinder boards
on the parcel to prevent unequal
pressure from the books, & then
packed the books above, so that
if you have not destroyed the
box, nor hurt up the papers
at the bottom, nor left the box
out in the rain, nor given your
parcel to Tuckerman, you will
surely find the specimens in the
box, if not already found, & if you
do find them, perhaps it will be
a good hint, to go to the bottom
of things hereafter. Did you give the
little parcel to Tuckerman?

I would very much like to exchange
my plants for Snipe Lake. Good
Lake plants as I have more than I
know what to do with. What
kinds of plants will be be likely
to want most? I have, you ^{know} quite
a number of larvae for exchange
say 1400 species, & quite a collection

of Southern & Western plants—

shall I communicate with Dr. Tomy
on the subject? As to the plants
of which roots & seeds are desired, I
will do what I can, many in
your list do not grow here, and
a number are spring plants (which
are withered and gone & it will be
difficult to get either roots or seeds,
however I will look for them. If I get
roots of any of them, how shall I
preserve or pack them to keep them
alive? If Orchids or Plantain roots
are taken up this time of year, will
they live out of ground any time?
It seems to me, that if roots are
enclosed in a tight box, they will die
in a short time. Circumstances pre-
vented my sending the books sooner,
but I know you were to send to
Europe I might have expedited business
a little, however it seems you
can readily send to all but Klotzsch

Penn Yan June 20th 1853

Dr Gray

Dear Sir,

Yours of the 14th inst. is
on hand. I thank you much for the
ferns enclosed, & very much for the
splendid collection of Ferns you sent
me some time ago, which came
in good order. I also at the same
time rec^d Ward's Book & parcel, &
also Plantae Wrightiana, for all which
I am extremely obliged. I am glad that
my last parcel is found, & have but
one question to ask, did you find it in
the bottom of that box? The paper on
Australian Algae is duly noted, & I should
like very much to become a subscriber
in full for the collection, but "my
poverty, but not my will prevents."
I see by the prospectus, that Dr Harvey

goes out under the auspices of the University and Royal Dublin Society, Now cannot I contrive some way to get some of the Algae by exchange with either the Dublin Society or Dr Harvey himself? I can furnish a good suit of specimens of U.S. plants, say from 800 to 1000— And also, I have barely one copy of *Carinus Americanum* Leptem, left, which is worth, or ought to be, some 200 species of Algae. If this thing cannot be done, I will venture to subscribe for 200, and if I live till they are delivered will try some way to pay for them. Should they want a suit of my plants, including my Carex books, they ought to be worth a full subscription for their Algae. What think about it? If any body can negotiate for me, you are the ones. Let me hear about it. I am cordially
Yours H. P. Sartwell

If I could pay in sets of plants for a portion, perhaps I could then become a subscriber for a full set— I will see what your opinions are on the whole matter—

Albany N.Y. Nov. 27. 1873

Dr Gray

Dr Sir

Your of the 19th inst came in good time giving notice of the putting up a parcel of Carius for me & yesterday a rec^d a line from you containing a few lines from Eaton L.C. I am extremely obliged to you for the trouble you take for me, & will gladly reciprocate when opportunity presents. The Ferns came safely & in good order. They are to me very interesting and many of them very beautiful - I will send you some Carius before long. I want a little time to put them up. Do you wish any for yourself? You wrote that you was very busy preparing a new Edition of your Manual. I hope you introduce all plants

in the U.S. East of the Rocky Mts.
Chapman will not issue a new
edition of his Manual & it will
be necessary for some one to
take in the whole -

I suppose I must direct to
"Mr. H. Mann, Cambridge, Mass."

I suppose I shall hear from Eaton
before many days -

ever yours cordially

H. P. Sartwell

Penn Run N.Y. Dec. 13th 1866

Dr Grey

Dr Sir.

I believe I have acknowledged
the rec^d of the valuable parcel of
Ferns. I also rec^d Eaton's note, saying
he would gladly send me some ferns
I his Book. His Book I have rec^d and
suppose the ferns will come in due time
I have named what ferns were noted
in his Book. but there are 28 species
that have no corresponding numbers
in his Book. Perhaps Eaton can explain,
after I receive his. I will ask him
You said in your letter of Nov. 19th
"Any time that you have any duplicate
Copies - you might send a few to
Mann!" Taking the hint, I thinking
Mann might like a good set, I have
put up for him a set of 173 species
authentic, and correctly labelled, and

which may be depended on as standards.

But this is not all, I have this day
put in the Express office the parcel
directed to him, and (shall I say it?)
requested him to send me more of his
Hawaii ferns. Have I been too assuming
in thus writing? Please say to Mr. Mann
that if I am asking too much, take
no notice of the request.

Ever thankful to you for your
past kindness I am cordially
Yours H. R. Sargent

P.S. - Shall be pleased to hear from
you when convenient

Chicago Jan^y 7 1861

Prof. Asa Gray
Cambridge
Dear Sir

Yours of 2^d Inst came
to hand this morning.

The paper I wish sent by
the Merchants Despatch,
Messrs Rice & Kendall, I suppose
will box & ship it.

The am^t of the bill I will
remit by a check on Boston
on the receipt of the Invoice,
either to you or Rice &
Kendall as you may direct.
Inclosed I hand you a
few seeds of *Callirhoe triangulata*,
Yours Respect

W. Larnmon

San Luis Potosi 9 December
1879.

Hochgeschätzter Herr Professor!

Als ich im Jahre 1851. bei Prigada als Apotheker Centener,
von ~~transvaen~~ aff. Lindley für Hochheudecker sammelte,
war es da ich zum ersten Male den Autor der herrlichen
Gattung *Schoenocaulon* bewunderte. Vor einigen Tagen
erfreute mich unser Freund und College Dr. S. Buxton
"on la preciosa planta Buxtonia. A.B." und zugleich
stand der Entschluß gefaßt nach Cambridge, um die
hochgeschätzten Hbarr Professor, von nun meine wissenschaftl.
Lieber Sammlungen abgeben zu lassen; falls Sie dieselben
gerne empfangen wollten zur gefälligen Revision und
Bestimmung derselben!

78 Species Gruineae d. 180 Species Compositae
liegen bereit zur Absendung, alle Pflanzen aus dem
Thale von San Luis Potosi. vorerst werde Letztere an Sie
absenden! Hoffentlich werden Sie wenn auch nicht viel
Neues, doch manche recht hübsche, interessante Sachen finden.
Namentlich gute, charakteristische Exemplare in 6
Species Trixis Arten, dabei Trixis fruticosa. C. M. Schultze
Bijontrius, an Letzteren, wie Sie wissen werden ich bei diesen
Letzteren alle mexik: Compositen sandte. Von allen
Trixis Arten habe ich Centner von Wurzeln, zur Bereitung
von Aquum pipitzacoicum, alle Sorten und Quantitäten
stehen zu Diensten.

Euer gefälligen Zuschrift entgegensehend verbleibe achtungsvoll
 Ihr ergebener Dr. W. Pfeiffer

Der wichtigste war die beiden Dungen - können aufweisen. Wir sind

die hiesigen Menschen aufzufallen. Wunders
N^o 3. " Derby und einige Jüden in einer
in die hiesige Gemeinde
die hiesige Gemeinde

Leucocoryza. St. Helena.

Werde Ihnen dankeschuldig mit & recht in Obsthofland v. Adressen verifiziert. Sind auch von
Herrn Dine als Wenue de Herron v. Delagift bewert, auch.

Translated by Dr. Farlow

Much esteemed Prof.,

When in 1857 I, a druggist
at Orizaba, collected a century
of *Asagraea* aff. *Linley* for
Hohenacker, it was then
that I, for the first time
admired the author of the
fine genus (*Leucospermum*?) (I
can't wake out this name). Is it a
genus you know? A few days
ago my friend and colleague
Dr. Barroeta delighted me
with "the precious plant"
Barroeta A.C. and at once I
determined to send to Cambridge
to you my esteemed Professor,
from this time on scientific
collections in case you are willing
to receive them for revision
and determination. 78 species of
Gramineae (?) (I am not sure
of this word, if *Gramineae* the
word is left out) and 18 species

of compositae are ready to be
sent, all plants from the valley
of San Luis Potosi. First, the
last named will be sent. It is to
be hoped that you will find
many pretty and interesting
things if not much that is new.
Namely, good characterized
specimens of 6 species of *Trixis*
amongst them *T. pubescens* C. H.
Schultz Bipartitus, ^{to whom} ~~by the latter~~
as you will know. I sent
all my Mexican compositae
at his (can't make out the
next word). Of all the species
of *Trixis* I have centers of
roots for the preparation of
acidum piperazineum, (find
in the world is that?) all
kinds and quantities are at
your service.

Awaiting a reply at your
leisure, I am respectfully
Yours, truly,
Dr. J. M. Schaffner.

It is of great importance for me
to recognize (to know) the two
"Cong" (it is written perhaps he
means "Comp.") on which the
roots of which I found the
fine *Lennea ovata* D. C.

N. B. A few specimens of my
Plantae minuae (?)
N. B. ~~Stations~~ The enclosed
few specimens of my *Plantae*
minuae (?) will be followed by
five specimens with print
and inflorescence of *Asagrostis*
ericiifolia called in this
valley as a species "Lemna
de barro."

Schaffner
Mr. Dr. Asa Gray
Cambridge

San Luis Potosi 18/ 1881.
IX

My Dear Professor!

Before I give You my expressible thanks for Your letter from New Garden and with the greatest interest I hope that You will write for me in the next time from Cambridge!

I have very much anxiety for the determination of many specimens of plants, what presented a special interest in pharmacology and Medical Therapeutics!

In this year of 1881 I was very continually occupied with the Medical Practice and I made no more than 3-4 excursions with botanical intention and I send to You in this letter any News what I have collected.

- 1) A. distinct Var. maculatum miki. of Abelenium amphibolum Gray. I found 1 Specim. with thousands of common state. Wish You seeds?
 - 2) Send to You in other way the Azollas:
 - 1) Azolla caroliniana Webb. and
 - 2) " mexicana Willd var mayor miki.
- I promised that I hope founded this time the best Azolla with fructification, but I go every 10-15 days and do as yet for Spores!

But during more than 13 years I looked for
frustrifications and I founded never one!

3) From the *Crotogeomys mericanus* *Mormon* *lepis*
var: *major* *miki*. I will send to You fruits
from the two variat: one is double greater
than the other.

4) The included Spec of *Lycium* is a distincted from
the other: *pallidum* and *grayanus* flower, when she
is now I think for the name: *L. Potosianum* *miki*.

5) What is the Spec of *Najas*? I found
this plant in a Lagune which water give alkaline
reaction and contained much Carbonate of Soda

6) Nitrate of Chalk and Millions of Specimens from two different

Braconchopus spec. one when he is now
to give the name *B. Peruvianus* *miki*, but
the masculine is armed with 2 Cornes approx:

Will You that I send to You of this animals!

6) I send You other *Centunculus mexicanus* *miki* for that
You will have the fruits and a great set it is
possible he is a variat: aff. *C. minusculus* *Linne*.

My plant is prostrated and hardy: and he
formed very great places, forming a seat of turf
or compact carpets, what I have never seen
by the *Linnean* spec, which I have collected in
Germany any *Centunculus* for collections!

With the hope that You go very well and I can
hoped of any lines from You I remaine

Yours respectfully

D. W. Schaffner

x the *Peruvianus* extracted of the *W. Schaffner* in the dried
season with *Chalk* the *valley* *Chalk*.

Northeim, Treuren. Prov. Hannover 8 Feb. 1891

My dear Sir

I send you with my best compliments
a new *Cerex* species.

Yours truly

Stamback

Hauptm. a. D.

Bel Air near Yrondonth - at

My dear Mr Gray

I found your letter at Muchall,
and so I was informed that
you will remain 8-10 days at
Genera where I take the liberty
to address ^{you} a little parcel for my
friend H. Wilson at Harrington;
pray to forward it by the intermission
of Sir H^{rs} Lauder, to whom you
will be so kind to present my hearty
respects.

According to your indication I look
at North Wether & St in Rotterdam
the Premium of the Natural Society

Schunpfer Aug 1st

Mr. H. Wilson

of Struthmont accompanied with
a parcel for Mr Sullivant at
Salisbury. I am very happy that
this exchange will give occasion
to open significant intercourse
between Struthmont and Boston and
for my own part to find in it
an opportunity of entertaining
relations with yourself.

I hope that the health of Mrs
Gray is now good enough to permit
you to undertake your travels
in the important ^{lower} Mont-rally and
so highly beautiful Alps of the
Bernese Oberland.

With my faithful regards

Yours A. A. Schuyler

arrivé
Jdy. 6^e

Strasbourg le 20 Février 1851.

Monsieur et illustre Professeur,

Suivant vos instructions j'ai adressé à M. M. Labanère
N. F. à Rotterdam le mémoire de notre Société
d'histoire naturelle, j'espère que vous aurez trouvé
et enverrez à votre passage en Hollande et que
notre Société aura bientôt l'avantage de se trouver
en possession des importantes publications que
vous avez bien voulu lui offrir en échange.

Mes chers - vous l'êtes prochain des le costume
et aurons nous le plaisir de nous voir pour un
peu plus longtemps que la dernière fois? j'en
désire beaucoup! Vous m'obligeriez beaucoup si
vous pourriez me faire savoir votre arrivée, car je
devais proposer une grande partie de l'été en Suisse
où j'envisage d'explorer le terrain à plantes fossiles
du Valais et de la Savoie.

Notre pauvre ami Silliman a eu le malheur de
perdre sa femme; cette triste nouvelle m'a bien
affligé!

M. Sachant pas votre adresse, j'ai prié la bibliothèque
d'adresser cette lettre à Mr Wm Hooker, auquel j'ai
bien prié de présenter mes respects. Si vous trouvez
un instant pour me donner une réponse, veuillez
me dire si on a de bonnes nouvelles du Dr. Fort Hooker,
et si on attend son retour prochainement.

J'm'occupe en ce moment beaucoup de la flore
bryologique de l'Amérique du Nord. Les écrits
de Mr Silliman m'offrent toujours du nouveau
et j'ai trouvé que cette flore est beaucoup plus
riche qu'on ne le croit en général, mais les espèces
sont presque bien difficiles à débrouiller. J'attends
avec impatience des communications de Mr Silliman
sur le résultat de ses recherches concernant les
collections muséologiques rapportées par l'expédition
américaine.

Très bien de moi, Surtout

W. P. Kimpus &

Miss Gray, *Miss of the Harrow.*
University of Boston.

Adm. J. S. Gray, Director of the
Royal Botanical Gardens
at Kew
near London.



Answered. Dec. 6. 1840.

Halle sur la Saale
le 30 Septembre 1840.

Monsieur!

C'étoit avec le plus grand plaisir que j'ai reçu de la Votre lettre datée du 30 Juillet de cette année. J'ai été charmé et réjoui de voir que Vous n'avez pas oublié Vos amis en Europe et que Vous continuerez de leur faire des communications scientifiques. Je ne tarderai pas à Vous envoyer deux exemplaires de mon Journal l'un commençant du 4^{ème} Numéro de 1839 pour Vous et l'autre pour Mr. Torrey ou quelqu'autre de Vos amis et je m'engage de donner mon Journal tout entier dès son commencement pour un prix fort modique ou à des bibliothèques dans Votre pays ou à des personnes qui s'intéressent pour la botanique. Quant aux livres que Vous désirez je n'ai pas pu réussir si tôt et c'est ce qui a causé un peu de délai dans la réponse de Votre lettre, mais enfin je vous rend de trouver l'ouvrage de Hedwig *Sphaerocarporum* quatre volumes. d. Schlegelien c. Suppl. Vol. I. 1. 2., II. 1. 2., III. 1. en bon état pour le prix de 50 Thaler de Brusse; Weber et Mohr botanischer Tafelbuch pour 16 Thaler d. Br. et Sprengel *Syst. vegetabil.* exemplaire tout à fait neuf et relié pour le prix de 8 $\frac{2}{3}$ Thaler. Les ouvrages de Mr. Bridel ne sont ni à Halle ni à Berlin, ni à Leipzig, mais on pourroit les acheter chez l'éditeur s'il plaît ainsi à Votre ami. Je ne connais pas un ouvrage nouveau de Weber et Mohr (Weber and Mohr's recent work with plates, now publishing, I forget the title). J'attends pour ces livres Votre réponse et en cas que Vous les choisissiez, la manière la plus sûre pour Vous les faire parvenir. — Tout ce que Vous enverrez sous mon adresse à mes commis sionnaires à Hambourg Mr. G. L. C. Röding, grosse Johannisstrasse No. 42. viendra dans mes mains. J'ai chargé pour l'étranger ce Monsieur qui est le successeur de Mr. Warlich et Co. pour s'acquiescer pas si souvent mon ami Mr. Sommer à Altona qui se chargera aussi volontiers de Votre envoi, vu que Vous le trouvez favorable de les lui adresser.

Mr. Kunze de Leipzig vient de publier le premier cahier d'une continuation
des Caras de Schuster, ouvrage qui sera digne de votre attention comme l'auteur y
donnera les figures de toutes les espèces de Caras que Mr. Schuster n'a pas encore
publiées dans sa Caricographie. Mr. Kunze continue de même les figures de Schus-
La seconde édition du Nomenclator bot. de Stendel 'a commencée' à paraître et un

indica des noms des espèces et des synonymes dans le Prodromus de Delandelle sera
publié au plus de temps.

Si Vous avez encore des Desiderata pour la Flore européenne ou si Vous voulez
des plantes exotiques j'offre mes services. S'il y avait dans Votre pays des per-
sonnes qui fournissent ou des graines ou des plantes vivantes de l'Amérique septentrio-
nale, je voudrais bien entrer en relation avec eux, car mon jardin botanique n'est
pas riche en plantes Américaines.

Comme Mr. Klutgosh se trouve à présent en Angleterre avec Mr. Link j'en ne re-
çois pas Votre paquet, s'il est déjà en Europe, avant son retour vers la fin de mois
d'Octobre, pour le futur Vous l'adresserez à moi à Halle

Je Vous salue amicalement et j'espère que notre correspondance sera
continué. Agréez l'assurance de la plus haute considération de

Votre sincère ami
J. Schlechtendal

Halle le 1^{er} Oct^r

P.S. Dans ce moment où je veux expédier Votre lettre je reçois la Votre du 24 August.
je Vous remercie de tout ce que Vous avez bien voulu faire pour moi et attends Votre
envoi pour le quel je donne des ordres à Mr. Röding. J'enverrai dans cette semaine
la Linnaea pour Vous à Hambourg. Comme Vous travaillez dans les Composées de l'Amé-
rique septentrionale je m'occupe des Composées du Brésil par le grand ouvrage
que Mr. Martius et Endlicher sous les auspices de l'empereur d'Autriche et de
roi de Bavière publient conjointement avec l'herbier à Berlin et dont le premier
carnet contenant les Mousses et les Lycopodiées a paru. Je ne recommande de
nouveau à Vos commissions scientifiques et je me flatte que Vous serez content de

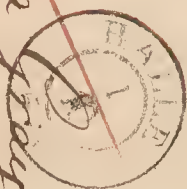
Votre très dévoué
J. Schlechtendal.

A. A.

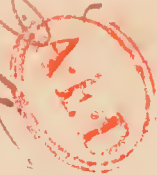


o H

Monsieur le Secrétaire



New York



Amund, Received May 1st
May, 20 via Hamburg.

Halle le 24 Mars 1841.

My dear friend!

Votre lettre datée du 6 Décembre 1840 dans laquelle se trouvait la lettre d'échange en valeur de 300 francs m'est parvenue bien promptement et hier j'ai reçu la petite brochure sur les herbiers de l'Europe avec le second exemplaire apriorant inutile de la lettre d'échange, que j'ai pu bien facilement réaliser à Halle. De même j'ai reçu l'été passé le paquet qui m'enrichit de belles plantes et des journaux scientifiques de votre pays. Malheureusement il m'a été impossible jusqu'à présent d'expédier pour vous les livres, que vous désirez, car l'exemplaire de Hedding qu'on m'avait offert de Leipzig, était vendu et je n'ai pu le trouver ni à Halle, ni à Leipzig, ni à Berlin un autre exemplaire de cet ouvrage et on me fait espérer qu'il viendrait en vente en quelques mois. C'était la même avec le "Faschensbuch de Weber et Mohr" que je voudrais de ma bibliothèque me dédommager pour le futur par un autre exemplaire. Quant au Thunberg j'en ai trouvé un exemplaire incomplet, que je complète dans ce moment et qui pourra en peu de temps se mettre en route, avec le Systema plantarum de Sprengel, avec le Nomenclator de Steudel, avec les Lamiaceae de Nees dont je possédais un exemplaire unique, que vous ne refusez pas d'accepter amicalement de moi, enfin avec les Carices de Kunze, lequel entre volontiers dans votre proposition et acceptera avec beaucoup de plaisir votre excellente Flora of North America et tout ce que votre bonté lui accordera pour continuer et augmenter l'illustration du genre Carex. Quelques cahiers du Linnaea se joindront à cet envoi.

Je trouve dans les catalogues des graines de 1840 quelques plantes qu'on croit nouvelles et qui ont le caractère d'une diagnose (Voyez trouvées dans le Linnaea (Littérature des années précédentes) toutes les diagnoses et notes qui ont été publiées dans les catalogues de graines), j'en ajoute les diagnoses, tout ce qu'on est connu.

Index Seminum Horti Acad. Göttingensis 1840. p. 3. *Eupatorium variifolium* Bartling, caule herbaceo erecto superne subtomentoso; foliis oppositis trisetis subtus pubescenti-subtomentosis, segmentis cuneatis-obovatis, obtusiusculis, apice irregulariter inciso-dentatis bilobisve; corymbis fastigiatis pedunculis pedicellisque tomentosis; involucri cylindrici 5-6-flori squamis oblongis obtusis dorso pubescentibus. Ex America boreali. - *Eup. cannabinum* L. et *E. spicatum* Jacq. affine quidem, sed foliorum forma constanter diversum.

Electus seminum anno 1840 collectorum, quae naturae constitutioni offert hortus bot. Francofurtensis
Leonurus capitatus Fresenius. Semina legit Dr. Engelmann in America boreali. Differt a ceteris
speciebus vel formis sectionis Cardiacae: habitu et praesertim ramis omnibus capitulis nec comae
foliorum terminatis; verticillatis tribus tantum vel quatuor instructis, quorum infimus $1\frac{1}{2}$ -2-plur
pollicis a proximis superiori distat. Haec forma ad L. Cardiacum sepe habet et formae
capitatae Martiae aquaticae ad formas hujus speciei verticillatae. Folia rubra holosericea, et
in L. Cardiacae figura varia.

Electus seminum horti bot. Lovaniensis 1840

Iris missouriensis Martens, caepis multifloris, subpedali, foliis ensiformibus sublongioribus,
spatulis lacineis inflatis; tubo perigonii elongato, gracili, exserto, tepalis deflexis bar-
batis fusco-venosis; erectis luteis obovatis unguiculatis. - Affinis Ir. variegata, sed differt.
tubo spatulis longiore gracili, laciniis erectis unguiculatis. Semina ex St. Louis, Missouri (Am.
Legit.) misit D. Duerinckx a Loc. Deu.

Cerasus Duerinckxii Martens, racemis horizontalibus et pendulis, floribus confertis, petalis
orbicularibus, foliis subcordato-ovalibus acute serrulatis. - Affinis Cer. Virginiana, sed
differt: racemis non erectis, foliis latioribus ovalibus.

Ce dernier auteur m'a communiqué une quantité de plants recueillis de la même contrée parmi lesquels
il y a encore plusieurs espèces qu'il croit nouvelles. J'irai les comparer tant qu'il sera possi-
ble avec les anciennes et je Vous en ferai une relation dans une lettre prochaine.

La Flore du Brésil a commencé à paraître, le premier cahier contient les Monocotylées
et les Lycopodiées avec quelques planches illustratives et outre cela le commencement d'une
introduction phytogéographique ornée de vues du pays pour faire connaître la nature
de la végétation dans ce pays, comme on a donné de semblables vues dans l'histoire de
Iles Canaries de Benthall et Webb. Le second cahier embrassera la famille des Anacardiées
mais je ne l'ai pas encore vu.

M. De Candolle jure ne se porte pas fort bien, mais il espère néanmoins de faire
paraître un huitième volume de son Prodrôme, il a préparé lui-même les Borraginées
les Oléacées et quelques autres familles pour son ouvrage et M. Choisy, M. Duval
M. Benthall et M. De Candolle fils travaillent simultanément pour le même but.
On prépare aussi à Berlin en supplément pour tous les ouvrages généraux de De Candolle
Kunth etc. qu'on continuera annuellement.

Je pense que ce sera dans la semaine prochaine c'est à dire au commencement du mois d'avril
que j'envoierai les livres pour Vous à Strasbourg. Plus tard je Vous présenterai mon compte; car
je resterai quelques semaines de mois d'avril à Berlin et ce ne sera qu'à mon retour de là, que
je pourrai y penser. Les affaires de mon jardin m'occupent dans ce moment, les printemps s'annoncent plus
tard qu'à l'ordinaire, l'Orniithogalum saxatile commence à fleurir. Avec la considération la plus distinguée
Votre très dévoué serviteur et ami Schlechtendal

2

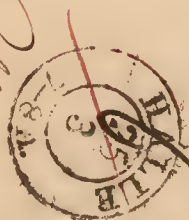
Monrovia

Monrovia

Doctors to

Jose Gray

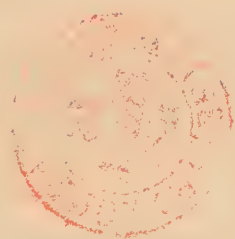
PP



New York

via Havre

Ca 20
il y



COMPTE DE RETOUR. à un effet de Frs 300.-

lire de New York le 1^{er} Decbre 1840. par
 Christmas Livingston & Prime sur Hollinguer
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Timbre de la retraits et du présent	"	60
Port de lettres	"	3. 4

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 88 centimes nous faisons traite en remboursement sur
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 Paris, le 17 Juin 1841.

Humbard
 Hammer

Je soussigné Agent de change près la Bourse
 sur C^{te} certifie que le change actuel des retraits à vue
 sur Leipzig est à trois francs 70^{cs} p^r
 un écu de Prusse avec 1^{er} de perte.
 Paris, le 17 Juin 1841.

Humbard



Halle, den 22 Juni 1841

RECHNUNG

für Hr. Prof. Dr. Seebach und seine Angehörigen
von A. W. Barnitsen & Sohn.

Oben wegen Mangel an Zahlung meiner
Konten zuviel getrunken von Wein
junger gekaufter

Pres Zoo - - auf Hattings aus 1000 Paris

17. 85. Knif. Soap & Grease.

pus 317. 85c.

10 80 70

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22

Ch	\$5	14	9
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Geßberg angefangen
von Barnhoff und Sohn
Hess.

Halle sur la Saale le 24 Juin 1841.

Mon cher ami

Comme Vous verrez dans les papiers ci-joints on a remis avec protêt la lettre de change, que Vous avez eu la bonté de mettre dans mes mains il y a quelques mois. Il m'a fallu payer à cause de ce protêt beaucoup de frais, comme Vous trouvez nos sentiments dans la note de Mr. Barintraud et fils que j'ai le plaisir de vous adresser non seulement dans la note du dit banquier au privé mais il y a quelques semaines, mais encore dans la note du dit banquier au quel j'ai restitué toute la somme acceptée. Je regrette fort que cette affaire se soit arrangée d'une telle manière seulement par une anxiété trop loin poussée de la maison de Paris mais cela ne m'empêchera pas de continuer dans mes efforts pour Vous procurer tout ce que pourroit être utile à Vos entreprises scientifiques. En peu de temps partiront les cahiers du Linnaea, quelques fascicules du Nomenclator et le commencement du Historia Naturalis. J'espère que Vous avez reçu mon dernier envoi contenant le Systema de Sprengel, l'ouvrage de Sexus (Handbuch) quelques cahiers du Linnaea et du Nomenclator de Stendel et le premier cahier des Caractères de Mr. Kunze. auxquelles j'ajoute de ma bibliothèque une doublette de la monographie des Lamprologus par Mr. New et le Taschenbuch de Weber et Möbius. Les Monnaies de Hedding et Thun grischens ne seront pas prêtes jusqu'à ce jour.

N'y a-t-il pas chez Vous des maisons de commerce qui sont en directe relation avec des maisons à Hambourg ou Altona ou Vouliez Vous que je prie mon ami Mr. Sommer de Altona de m'indiquer une manière sûre pour payer et pour accepter de l'argent de Vous?

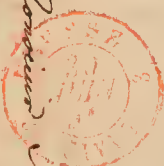
Je serai bien aise d'avoir bientôt de bonnes nouvelles de Vous et d'avis que Votre grand ouvrage s'avance avec succès. Gardez moi Votre amitié et soyez sûr que la mienne ne s'altère point. Avec la plus haute considération

Votre
très dévoué ami
A. Th. Thümler



3/4 1841

Providence



Wm. Lloyd Garrison



Oct 1. 1841

C

per

PP

New York
via steam

Oct. 31.

Halle le 5 Mars 1842.

Mon cher ami

Il y a bien longtemps que Vous n'avez pas reçu de mes nouvelles quoique je n'ai pas cessé de penser à Vous et de continuer mes envois. La balle est risquée collection de plantes sèches que Votre bonté a bien voulu adresser à moi et arrivé dans le meilleur état, elle m'a fourni une quantité d'épaves nouvelles et des exemplaires choisis et authentiques ce qui augmente fortement leur valeur. Elle m'oblige aux plus vifs remerciements. J'ai rassemblé dans ce dernier temps une très grande quantité de plantes des états unis, Mr. Steer de Zurich a donné des plantes de la Nouvelle Georgie, Mr. Martens de Louvain celles de l'état d'Alabama. Mais dans toutes ces collections on ne trouve que peu de ces arbres forestiers dont Votre pays doit abonder savoir des chênes des sapins etc., vraisemblablement par la même raison comme chez nous, on en néglige ordinairement les plants qui sont plus difficiles à recueillir, parcequ'ils valent être ramassés à plusieurs reprises.

J'espère que tous les livres que j'ai achetés pour Vous, et tous les cahiers de mon journal Linnaea sont arrivés chez Vous en bon état. Mais je ne puis pas comprendre qu'il soit possible que le Handbook de Thunberg soit incomplet, car je possède encore la liste de tous les défents, que j'avois donné au libraire, pour les procurer. Les ayant reçus j'ai arrangé et relié toutes les planches pour les faire relier, afin que je puisse être sûr que Vous ne recevrez que des ouvrages complets.

1. Thunberg Handbook relié	—	32 Thaler
2. Schumacher's Musc.	—	55 —
3. Walp. Musc. Tafeln.	—	1 —
4. Kuntze Nomenclator	—	8 —
5. Sprengel Spec. plant.	—	8 — 20 Silberg.
6. Frais du protêt	—	6 — 25 —
7. Frais de poste	—	1 — 13 —
		11 2 Th. 28 Silbg.

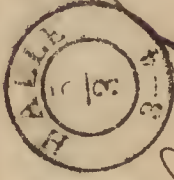
Reçu sur la lettre d'échange
tirée sur Mr. Deloort — 78 — 18 — 9 Pf.
en valeur de 300 francs

Restant 34 — 9 — 3 —

J'ajoute enfin mon compte, dont Vous verrez que Vous me devez encore une somme, qui s'est montée plus haut par le protêt de la première lettre d'échange. En cas que Vous souhaitiez encore quelques autres livres, comme la continuation de la Flora Rossica de laquelle j'ai ajouté le premier cahier à un envoi de la Linnaea, ou le supplément de la Flore prodr., Kunth Syn. etc. que Mr. Dr. Walpers ira faire parer dans le cours de cette année, Vous pourriez me mander d'une plus grande somme, dont je tiendrais compte. Mon Journal est expédié par Vous jusqu'à la fin du 15^{ème} volume, le premier cahier du 16^{ème} partira ce jour de temps. Je Vous prie de rendre mes remerciements à Mr. Torrey et d'agréer les sentiments de la haute considération de

Votre très dévoué
Schubert.

1er A



Monsieur le Docteur Ara Gray

PP Professeur de

Wells

franco

Via Havre

New York



Handwritten signature in red ink.

Amund' June 15

Halle 18 March 1849.

My Dear Sir

Ayant reçu il y a peu de jours votre lettre datée
de 20 Février je me hâte de Vous annoncer que
votre des pressés, les *Illustrations des genres de*
la Flore de l'Amérique septentrionale, se trouve
dans mes mains et que je Vous en rend mille grâces.
Vous offrez par cet ouvrage non seulement à Vos
étudiants et à Vos botanistes un livre d'une
grande valeur pour l'étude des genres, mais
encore à tout le monde une *Iconographie*, qui
réprésente pour la première fois une grande
quantité d'espèces, qui n'avaient pas été figurées
jusqu'à présent, et des recherches valables
sur les genres. Et surtout sur ceux que nous
ne connaissons pas dans l'état vif en Europe.
D'espérer que Vous avez reçu les cahiers de Lin-
naea et les numéros de la gazette botanique qui
ont été longtemps retenus par moi à cause de
la guerre avec le Danemark; je continue de Vous
en fournir les continuations qui ont paru jusqu'à
ce jour et j'espère que les complications politiques
n'empêcheront pas ces publications à l'avenir.

J'avais adressé une lettre à Vous pleine de remer-
ciements de moi pour M^r. Sullivants, qui a bien
voulu enrichir mes collections de l'édition si
magnifique et si riche des ses M^{rs} Alzhen-
enses et pour Vous à cause des communications
littéraires qui vont d'un grand velen pour moi.

On cultive dans les Jardins beaucoup d'espèces,
qu'on dit originaires de l'Amérique septentrionale
et qui n'accordent pas avec les espèces décrites
dans Votre Flore*, ne serait-il pas agréable par
Vous, si je Vous en communiquai de temps en temps
des échantillons? Je regrette et comme je crois
tout le monde botanique, que Votre Flore de l'Amé-
rique septentrionale ait cessé de paraître, car on
a besoin d'un tel ouvrage collectif, qui n'était
ni trop restreint, ni trop étendu. Votre zèle et
Votre assiduité dont Vos ouvrages sont de si
bons exemples me font espérer, que la Flore
sera reprise en peu de temps et conduit à sa
fin.

Veuillez agréer les sentiments de gratitude
et de l'amitié de

Votre très dévoué
Alluettent

*) Vous en trouvez un exemple dans les notes ajoutées à mon
catalogue de grains, ci joint.

at Barre, Ill. Jan. 20th 89

Mr. Sereno Watson,
Cambridge, Mass.

Dear Sir,

You have shown a question which I have several times asked. How is it that the time at which Vitis riparia ripens its fruit is so different east from that in our locality? When Mr. L. F. Ward sent me his "Flora of Washington" in 1882 I inquired of him if there was not some mistake about the time of the ripening of fruit in his V. riparia. "Fruit-ripe in November". In reply he said he thought not: but suggested that my V. riparia might be V. rupestris. After looking up the descriptions of V. rupestris I was convinced that ours was not that species.

The only solution I can see to the difficulty is; either Dr. Engelmann was mistaken about the eastern distribution of V. riparia, or possibly that riparia, of this locality, is a form of rupestris as Prof Ward suggests. I have recently made a careful collection of all our grapes in 1887 and sent suits to a number of the eastern botanists among them Dr. Gray + Mr. Dean. If these are not at your hand I will take pleasure in sending you a suite. In the Bot. Gaz. for Apr. 1888 I give notes on the time of flowering and fruiting etc. of our grapes. Our Vitis cordifolia bears a large box bunch of small, round, sour berries which are not ripe until Sep or Oct, when the taste is rather a pleasant sour. The common names are Fox or Fox Grape; the same names are applied to V. cinerea.

Very respectfully W. Schneck

8457

Georgetown D. C. April 1. 870.

Prof. A. Gray, Cambridge
Massachusetts.

Dear Sir

Your kind letter accompanied by your photograph reached me safely a week or two ago. I would have acknowledged its receipt immediately if it had not been for a general indisposition in my family and of myself.

In reviewing my Dalea's the other day I find in the Mex. Boundary R. with Dalea Schottii the remark "Pods not seen" and as the species seems to be rare indeed and has not been found by any one else I send here a few pods from the specimen in my herbarium, thinking that it might prove to be of special interest for you. I feel really sorry not to be in possession of more workable material in regard to this conspicuous desert shrub of which I only met one individual near and south of El Yuma. If I had known its scientific value at the time, I certainly would have probed the whole bush at once, leaving it to the Darwinian proclivities of nature to create more of it.

With best regards I remain sincerely yours

Arthur Schott

Georgetown D. C. July 5th
1870.

Dr. Asa Gray
Cambridge.

Dear Sir

Your letter dated June 30th came
to hand in due time. In regard
to the specimen of a fraxin.
Grecata tree called by the Mayas
"Balché" (Baaktree) I expect
that Dr. Parry merely forgot to
send it to you for identification.
I regret that it so happened
as I have now an ethnographic
article under the pen, showing
the importance of ^{the} tree in its
relation to the religious rites of
that interesting Indian nation.
I at present cannot get at the
duplicates of my Grecata collect-
ions and the matter must be

S

deferred until Parry shall re-
turn. The *Diphyssa carbageniensis*,
which has golden yellow flowers
and a peculiarly shaped in-
flated bladderly pod, the Balché^t
has nothing to do. The vernacular
name of that arborescent is "Tsusuc"
it furnishes a valuable wood of
which in Yucatan teeth and pegs
for engine-wheels are made.

I never in the least ^{suspected} that You
should have neglected to look
at the specimen in question, but
merely thought, what I think
now, that Your time for outside
matters must be very limited,
and so took matters quietly, as
it ought to be.

At the time I sent to You
the semispecimen of *Salvia*
Schottii, just one half of the

only one in my possession, I felt
a little mortified for not having
in my power to furnish a better
specimen, to fill a gap in Your
herbarium. Still no one can do
more as he can and so You will
have to be satisfied until time
and perhaps Dr. Palmer, who is
out again may furnish more
satisfactory material.

Sincerely and with high regards
Yours &c.

A. Schott

P.S. Could You do anything with
a certain imperfect specimen of a
new to you undescribed "*Eriogonum*?"
which I had sent to You also through
Dr. Parry.

A. S.

George
1850.

Mr. Chase Cambridge
Massachusetts.

Dear Sir

A few days ago you are pleased
appointed me Assistant Gardener in
connection with the Public Grounds
at Washington. In order to enable
him in cases of enquiry to justify
the selection so made the General
wished me to procure some papers
to show over the signature of some
of the leading scientific men of the
Country, who deem my abilities in
botanical pursuits as well as in
other branches of science sufficiently
fitting for the place assigned
me. Though personally but little
known to yourself, I trust that
our occasional scientific intercourse

may have satisfied so far on my
behalf, that I now may respectfully
ask You to kindly send me as soon
as convenient some such little
testimony, which in shape could be
filed in the office of General
W. Strickler my present chef.

Your printed missive containing
a supplemental notice in regard
to your Resperovaltis has been duly
received. Many thanks for it and
also for the kind remembering of
my name in connection with that
significant novelty of the desert.

With best regards I remain, Sir
-sincerely Yours

Arthur L. M. M.
M.

Schoenbrunn near Vienna 9th January 1862.

Revered Dr Asa Gray!

The letter you had the kindness to address to me reached Schoenbrunn 8th January a.c. I can assure, that it enjoyed me exceedingly, but I am very sorry that unfortunately a mistake of the second fasciculus could happen and I beg all pardon for it. You shall receive this second fasciculus by Dr. Hugel, to whom I send it at the same time.

Your kindness offers me your highly esteemed "Botany of the American Exploring Expedition under Capt. Wier". I shall accept these books with all the veneration the author merits in so distinguished a manner.

For the assurance that you will send to me all your *Alroideae*, I may accept my sincerest thanks. Parti-

colarly those of the Pacific Expedition are highly interesting.

The seeds of *Symplocarpus* and *Peltandra* are totally unknown by me and all I could expose thereover is taken from other observers. You will therefore oblige me extremely by sending the entire fruits of them.

For the insertion in the American Journal of Science, accept my further thanks. It can not fail that any word You say in favour to my labours must have the most important influence on them.

Agree to accept likewise the assurances of the sincerest veneration of

Your

Devoted

Ch. W. Schott

Schaumburg 13 Novemb. 1862.

Die Geschenke der K. K. Hof- und
 Staatsbibliothek, durch die K. K. Akademie der Wissenschaften
 in Wien, (aus dem Besitz der K. K. Hof- und
 Staatsbibliothek in Leipzig).

United States Exploring Expedition p. 1-777. Atlas t. 1-100 and I-XVII.

Lichenes p. 115-152. t. I-II. by Tuckermann.

Algae p. 153-192. t. I-VIII. by Bayley and Harvey.

Fungi p. 193-202 t. I. by Curtis and Berkeley.

Physiographical Sketch of that portion of the Rocky Mountain Range etc. by C. C. Parry. p. 1-122.

Plantae novae Thunbergianae p. 297-328.

Botanical Contributions by Asa Gray. January 1861. p. 115-192.

Botanical Contributions by Asa Gray. January 1862. p. 314-352.

Notice of a new genus of plants of the order of Santalaceae by A. Gray
 p. 1-4.

By Dr. J. V. DeJongh
 H. S. Hoffmann - Manager - Director.

Dear Dr. Asa Gray:

Yesterday I received the very interesting publications You had the kindness to address to me. Receive my sincerest thanks for them, they will be highly instructive to me.

For the seeds of *Symplocarpus* You had sent, I say likewise my thanks, but they reached Schoenbrunn in a destructive state and though they did show me their true organization, they could not be brought to vegetation. If it were possible to get seeds of *Symplocarpus* as well as of *Peltandra* packed in dry moss in such a manner that they could not turn during the voyage, I believe they would reach us in the best state. Dried specimens in different states of their developpement of all the species of both these genera would be likewise excee-

tingly estimable.

Repeating my thanks and assuring
that I am ready to all service you would
honour me, you will allow that I repeat
also at this occasion the assurances
of true and sincerely veneration, in which
I am

Dear D. Asa Gray
Yours.

Schenks. 14 Nov. 62.

Devoted
H. W. Schott

Columbus Ohio $\frac{25}{9}$ 44. J. Fendler
Professor Asa Gray
Botanic Garden Cambridge
Mass.
Dear Sir!

Dr. Carl Müller in Halle S. Prussia
Germany. was writing to me, that he
is willing to determine the from
Dr. Fendler collected Venezuela
Masses, but would like very much,
doing this work, to save as much
time as possible and having therefore
the drawings I made from the plants
which you have in your herbarium.
Now, send Dr. Müller the whole set,
you have from Mr. Sullivant, plants
and drawings by the Smithsonian
Sept. date this fall and be so kind
to let me know, that you have done
so. — I know from Mr. Lesquereux,
that your set was lost some time,
but he told me last Spring, that
it is found again — I will send
by the same occasion an other set

of Venezuela Mosses to Dr. Miller.
Therefore your plants will be used
very little and when you get back
your set, it will have the im-
provement by the names and I
will finally be able to sell
the plants.

Respectfully

Yours
A. Schrad.

West State Str. 234.

Columbus O 1/8 9.

Professor Asa Gray
Botanic Garden
Cambridge Mass
Dear Sir!

Answering your kind letter of 7/8 I let you know
that I made 34 sets of the Venepeas plants,
each with 145 specimens, which have now
only numbers, but would look better, if
each had a ticket perhaps like this.

Musci Venepeae

1. *Sphagnum Menziesense*. C. Mueller
A. Fendler legit 1854-5

And if I understand you right, you will be so
kind, to let this all be printed for me, which will save
me a great deal of time. And sending you inclosed
the list of the 145 Names, which Dr Mueller sent
me, you will be able, to give order for the prin-
ting now, I think.

Dr Mueller writes me: ^{the} *psammophiles*, which con-
tain the description of the mosses have 24
pages and will be doubtless soon in your hands
with the drawings.

The corrections of the proofsheets I will
make with pleasure, if you will send it to me

From 9 specimens I found for little,
that I could not divide it. This are
the numbers, which are not in my list.

Respectfully

Yours

A. Schrader
West Lake St. 234.

$$\begin{array}{r} 150 \\ 40 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 150 \\ 40 \\ \hline 6000 \end{array}$$

1. *Sphagnum Meridense*. C. Müll.
2. *Partrania subbrevisolia*. Sp. nov.
3. *Tayloria Moritziana* C. Müll.
var. *carbonaria*
4. *Entosthodon Trumpffii*. C. Müll.
5. *Weisia (Gymnostomum) Venezuelaensis* C. Müll.
Sp. nov.
6. *Leptotrichella globicarpa*. Sp. nov.
7. *Funaria calvestiens*. Schwägr.
8. *Siphyscium Fendleri*. Sp. nov.
9. *Fissidens Fendleri* Sp. nov.
10. *Fissidens gemunensis*. C. Müll.
11. *Fissidens polypodioides*. Hb. K.
12. *Conomitrium Brachelyma*. Sp. nov.
13. *Fissidens Moritzianus*. C. Müll.
14. *Fissidens validicoffatus*. Sulliv.
Sp. nov.
15. *Trematodon Fendleri*. Sp. nov.
16. *Leptotrichum plumosum*. Sp. nov.
17. *Ceratodon Venezuelaensis*. Sp. nov.
18. *Trichostomum lineatifolium*. Sp. nov.
19. *Parbula mobilis*. Sp. nov.
20. *Parbula Fendleri*. Sp. nov.
21. *Hypophila involucrifolia*. C. Müll.
22. *Vicranum longisetum*. Hook.
23. *Gygodon linguiformis*. C. Müll.
24. *Gygodon gymneus*. Sp. nov.
25. *Gygodon Fendleri*. Sp. nov.
26. *Angstromia (Vicranella) Trumpffii*. Hb. K.
27. *Leptotrichella rostrata*. Sp. nov.
28. *Angstromia (Vicranella) Torariensis*. C. Müll.
29. *Campylopodium Fendleri*. Sp. nov.
30. *Orthodontium Fendleri*. Sp. nov.
31. *Campylopus purpureocaulis*. Sp. nov.
32. *Campylopus gygodontioides*. Sp. nov.

36. *Tyranomitrium lara casanum*. sp. nov.
 37. *Campylopus erectus*. C. Müll.
 38. *Campylopus concolor*. Hook.
 39. *Tyranomitrium tuteum*. sp. nov.
 40. *Campylopus pseudo-filifolius*. sp. nov.
 41. *Campylopus Fendleri*. sp. nov.
 42. *Eucobryum Martianum*. Ape
 43. *Eucobryum microcarpum*. sp. nov.
 44. *Eucobryum flavo-macromatum*. sp. nov.
 45. *Eucobryum giganteum*. C. Müll.
 46. *Eucobryum crispum*. C. Müll.
 47. *Eucotoma asperinum*. sp. nov.
 48. *Eucotonia candelatum*. sp. nov.
 49. *Synhypnum cylindrotheias*. sp. nov.
 50. *Synhypnum flexianectatus*. sp. nov.
 51. *Synhypnum epapillosus*. sp. nov.
 52. *Partramia lineata*. sp. nov.
 53. *Macromitrium raphidophyllum*. sp. nov.
 54. *Macromitrium paucideus*. sp. nov.
 55. *Macromitrium Fendleri*. sp. nov.
 56. *Macromitrium subnitidum*. sp. nov.
 57. *Macromitrium retusulum*. sp. nov.
 58. *Schlotheimia grandis-arcolata*. sp. nov.
 59. *Schlotheimia glauca*. C. Müll.
 60. *Macromitrium Puncinattella*. sp. nov.
 61. *Macromitrium folonigerum*. sp. nov.
 62. *Lepidodentium procumbens*. sp. nov.
 63. *Macromitrium serrulatum*. sp. nov.
 64. *Holomitrium lutescens*. sp. nov.
 65. *Holomitrium Moritzianum*. Ape
 66. *Synhypnum leopodioides*. C. Müll.
 67. *Partramia (Partramidula) Fendleri*
 sp. nov.
 68. *Partramia (Philonotis) Moritziana*
 Ape
 69. *Partramia (Philonotis) pphaericarpa*
 Schwgr.
 70. *Polytrichum (Catharidella) campylocarpum*
 C. Müll.
 71. *Polytrichum (Eupolytrichum) brachymitrium*
 sp. nov.
 72. *Polytrichum (Eupolytrichum) aristiflorum*
 Mitt.
 73. *Polytrichum elphus (Valenciae)*. sp. nov.
 74. *Rhizogonium spiniforme*. Brid.

75. *Peromnion sordidissimum* sp. nov.
 76. *Bartramia* (*Philonotis*) *alto-gracilis* sp. nov.
 77. *Bartramia* (*Philonotis*) *macrodictya* sp. nov.
 78. *Bryum leucarum* sp. nov.
 79. *Bryum Henopysis* sp. nov.
 80. *Bryum cerasmiodicarpum* sp. nov.
 81. *Bryum longipedicellatum* sp. nov.
 82. *Bryum micropetalum* sp. nov.
 83. *Bryum Fendleri* sp. nov.
 84. *Bryum chrysoblastum* sp. nov.
 85. *Bryum Valenciae* sp. nov.
 86. *Anisum rostratum* Hedw. var.?
 87. *Anisum dimorphum* sp. nov.
 88. *Bryum pycnopsidis* sp. nov.
 89. *Pilotrichum compositum* P. B.
 90. *Pilotrichum Fendleri* sp. nov.
 91. *Pterobryum Fendleri* sp. nov.
 92. *Pterigynandrum cylindricaulis* C. Müller.
 93. *Pterigynandrum pallidissimum* sp. nov.
 94. *Schradereella pungens* Gen. nov. and. sp. nov.
 95. *Entodon pallescens* C. Müll.
 96. *Entodon complicatus* C. Müll.
 97. *Trionodon depressus* C. Müller.
 98. *Sistichia pendulata* Brid.
 99. *Porotrichum superbus* Tagl.?
 100. *Sectera Moritziana* Apr.
 101. *Isodrepanium membranaceum* (C. Müll.) Mitt.
 102. *Entodon Hampeanum* C. Müll.
 103. *Pterobryum Hornschuchii* C. Müll.
 104. *Pharopileum tomentosum* Brid.
 105. *Appnium* (*Pungentilla*) *pungens* Sw.
 106. *Pilotrichella filicetraria* sp. nov.
 107. *Papillaria pseudo-siniata* sp. nov.
 108. *Pilotrichella flexilis* C. Müll.
 109. *Orthotrichella tetragona* C. Müll.
 110. *Pilotrichella subheteroclasia* sp. nov.
 111. *Orthotrichella viridis* C. Müll.
 112. *Meteorium Fovariense* C. Müll.
 113. *Meteoridium remotifolium* C. Müll.
 114. *Porotrichum Korthalsianum* H. et M.

119. *Aerobryum Conserva*. - sp. nov.
120. *Papillaria subquadrata*. sp. nov.
121. *Papillaria pseudo-funalis*. sp. nov.
122. *Lepidopilum aureo-fulvum*. sp. nov.
123. *Lepidopilum subpolytrichoides*. sp. nov.
124. *Hookeria crispa*. C. Müll.
125. *Hookeria incurva*. Hed.
126. *Hookeria permutans*. sp. nov.
128. *Hookeria Fendleri*. sp. nov.
129. *Hookeria plumicaulis*. sp. nov.
130. *Hookeria Philonotula*. sp. nov.
131. *Hypnum (Tamariscella) siphothera*.
C. Müll.
133. *Hypnum (Tamariscella) Frontinoae*.
sp. nov.
134. *Hypnum (Tamariscella) pseudo-*
protensum. C. Müll.
135. *Hypnum (Pligodium) solutum*. Tagl.
var.
136. *Hypnum (Aptychus) Tovarense*.
C. Müll.
137. *Hypnum (Cupressina) subscabrum*.
C. Müll.
138. *Hypnum (Aptychus) Galizense*. C.
Müll.
139. *Hypnum (Microthamnium) nepalense*.
Led.
140. *Lepidodermis trichopodium (Wickera)*
141. *Hookeria falcata*. Hook.
142. *Hypnum (Thamnium) fasciculatum*.
Led.
143. *Hypnum (Cupressina) airuginos-*
um. C. Müll.
144. *Hypnum (Droseriopsis) eupopaleum*. sp. nov.
145. *Indigia trichomitria*. sp. nov.
146. *Plagiothecium Schraderi*. sp. nov.
147. *Rhynchostegium trachynotum*. sp. nov.
148. *Phyllogonium fulgens*. Brid.
149. *Phyllogonium speciosum*. C. Müll.
150. *Hypopterygium sylvaticum*. Mitt.
151. *Hypnum (Pligodium) nano-poly-*
morpheum. sp. nov.
152. *Hypnum (Microthamnium) sub-*
perspicuum. sp. nov.
153. *Hypnum (Taxicadalis) eutryphe-*
um. sp. nov.
154. *Hypnum (Cupressina) tricho-*
stegium. sp. nov.

Green Bay, Wis. (Nov. 21, 1890)

Prof. Lorenzo Watson,
Cambridge, Mass.

Dear Sir:

I have sent you to-day a package of roses collected in this region last season, and would be glad to have them verified or identified. We have here several species and many and various forms. The lake shore roses and are from Neenah on L. Winnebago are especially interesting as are the forms of *R. Carolina* of drier places in transition to *R. blanda*. Those roses of Washington Island, about 110 miles north from here, could not be had in last season. Torrey's *R. Arkansas* is ordered, but not yet arrived.

Overs.

You will find several other specimens sub Nos. 94-108 in addition to the roses. They may be of some interest to you, some are doubtful and others unknown to me. Please look them over, and if this insufficient material does not cause you too much trouble, let me know your opinion.

If you have some duplicate specimens of roses, please let me have them except those contained in my package, and add *Ilex Aquifolium* and *Geranium dissectum*.

Respectfully Yours
J. H. Schucke.

Amund
April, 20, 1853,



Heidelberg. 8 November 1849
Pfalz. Germany, Bavaria.

Herrn Csa Gray, Professor in Michigan!

Am 25 August habe ich durch unsern Freund
Bischoff von Heidelberg Ihre schöne Abhandlung
über die plantae Fendlerianae Novi-Mex.-canae
erhalten und beile mich Ihnen bestens dafür
zu danken. Es hat mich sehr gefreut auf
diese Art, was ich längst gewünscht, mit
einem von mir hochgeachteten Manne in Verbindung
zu kommen. Aus dem beifolgenden Diplome,
als Ehrenmitglied der Ballichia, werden Sie
erkennen dass dieser mein Wunsch schon früher
zur Reife gekommen ist. Mögen Ihnen die
beifolgenden Abhandlungen Freude machen!

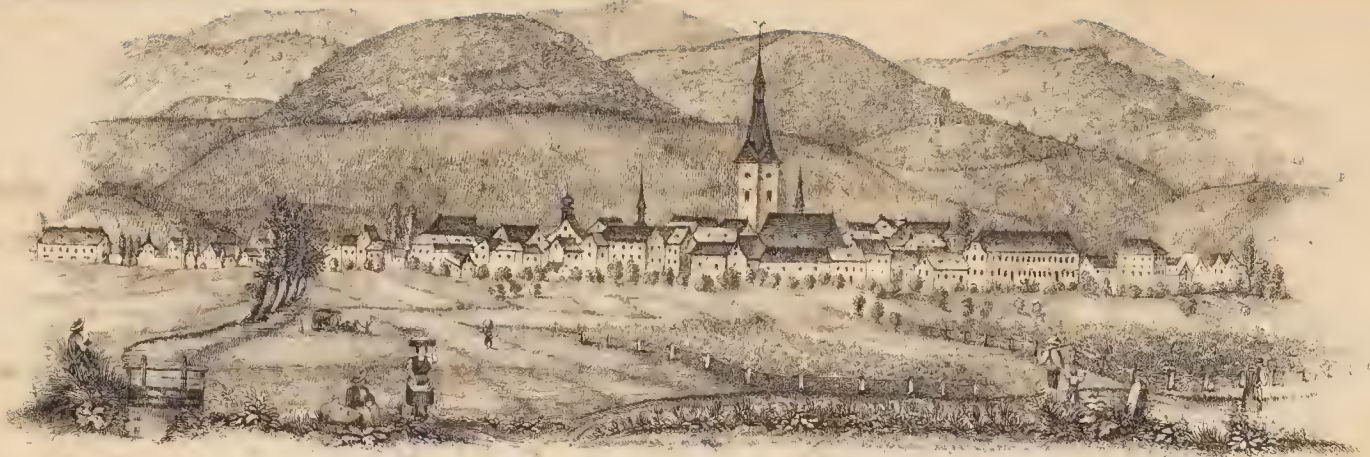
- Kann ich Ihnen mit Etwas dienen, sei
es mit Pflanzen, Abhandlungen &c. so wird
es mir Freude machen. Sie würden mich
sehr glücklich machen, wenn Sie mir

durch Dr. George Engelmann, welcher Ihnen auch
diese Sendung macht, oder durch sonst eine
gute Gelegenheit von Ihren Compositen schicken
würden, was Sie entbehren können. Namentlich
wäre mir eine möglichst vollständige Sammlung
der nordamerikanischen Compositen aus der Hand
des berühmten Floristen erwünscht. Ich mache
auch verbindlich Ihnen gleich nach dem
Empfang einer Sendung anderer Compositen oder
sonst von Ihnen desiderirten Pflanzen
zu senden.

Wenn Sie mir antworten können Sie mir
englisch, französisch oder lateinisch schreiben,
Hoffend dass unsere Verbindung von Vortheil
für die *Scientia amabilis* sein wird, sehe
ich Ihrer Schnellsucht dieser Sendung
entgegen. Mit ausgezeichneter Hochachtung

Dr. Schultz C. H. Ripont.

Ich füge 1 Expl. meines Bilds bei



Ländersheim, Rheinbayren
 Plitz. 22 Mai 1833

Monieur le professeur Asa Gray à Cambridge!

J'ai reçu avec beaucoup de plaisir, il y a quelques jours votre aimable lettre du 20/9 et c'est avec empressement que je tâche de me mettre en relation avec un homme, auquel je suis lié par préférence par mes travaux.

J'ai avec la bonté de m'annoncer un envoi, contenant quelques de vos mémoires & un paquet de vos Cassiniaceae. C. H. Schultz Report in Flora B.G. 1832 = Compositae Foss. Je vous prie donc, mon cher ami, de me donner de vos Cassiniaceae tant d'épèces que possible, principalement une collection aussi complète que possible du genre Aster. Je ferai mon possible de vous renvoyer au moins le même nombre d'épèces & d'échantillons principalement des Hieracium, Cirsium & de ces batards. Je crois avoir dans mon herbier encore quelques espèces du genre Cirsium de l'Amérique qui ne sont pas encore décrites. Cirsium americanum.

A. fol. decurrentia + C. texanum H. Bip. au C. ochrocephalum Gray in pl. Fendler.
 Texas Rio Brazos. Dracunculid? p. 10 aff. flores 11 lin. pappus 8 lin. long.

B. folia sessil'a
 a. microcephala. Flores 8 1/2 lin. pappus 7 1/2 lin. long.
 = 2 Cirsium aedeolopis H. Bipont. (Locution Dracunculid?)
 au Cirsium virginianum 7 Torr. Gr.

b. macrocephala. Flores 14-19 lin. pappus 11-14 1/2 lin. long.
 involucrem subobovato-oblongum.

2 involucri sparsae internae apices in appendice lineari - lanceol.
 flavo-scarisiam; flores 19 lin. pappus 14 1/2 lin. long.

= 3. C. repandum Michx. vel aora spec.

com. by Dr. Gavin Watson and Mr. Kelvington, bot. soc. of London.

P. involucri granne interne apice vix seorsae
 + involucri granne ovato-oblongo lineares. flores 11-13 lin. pappus 11-12 l. long.
 4. *C. discolor* Sprengel! *Hypt. veg. III*, 373. *C. infer.* *Cucurbit. discolor* Müll.
H. Louis *Drummond* 1^{re} coll. *Cucurbit. n. 122* & *fruct. no.*
Hort. Schivelzingensis cult.
 5. *C. altissimum* Sprengel! *l.c.* & 170 *Cepas III. Drummond!*
H. d. ditore „Miami” *civ. Ohio: Frank!* anno 1833.
 6. *C. matricum* Michx. Sprengel! & *Cepas in part. specis:*
Vincent pl. Texana n. 118!
Obs. Novum speciem pr. Regle Mexic. leg. C. Ehrenberg!
n. 16 = Cirsium regense C. H. Schultz Bipont.
 ++ involucri granne lanceolatae lineares. flores 17 pappus
 16 l. long. = *C. virginianum* Michx. exel. var.
Louisiana: Drummond!

Je regrette que beaucoup de vos *Cirsium* ne sont pas
 encore décrits vu que la racine est un caractère essentiel!
 qui manque ordinairement. Je ne connais aussi pas de batards
 de ce genre de l'Amérique qui n'y manquent certainement
 pas. Vous m'obligerez infiniment de m'envoyer de
 bons échantillons de vos *Cirsium*.

Pérez que notre relation aura beaucoup de résultats
 pour notre science aimable & je ferai mon possible pour
 me rendre utile à vous & de vous envoyer tout que
 possible de ce que vous desirerez de moi.

Je vous recommande l'excellent Journal:

- 1. *Bonplandia*, Zeitschrift für angewandte Botanik
 - 2. Rédacteur Berthold Seemann in London Verleger Carl
 - 3. Kümpler in Hannover 3 1/3 Rthlr jährlich. = 12 1/2
- francs de Francs.

Dans n. 12 de la *Bonplandia* j'ai publié une nouvelle
 espèce pour votre flore = *Triplurospermum Hookeri*
Hydr. (= *Matricaria inodora* Torr. Gr. II. 612.)

Berthold Seemann a trouvé cette plante aussi chez les *Eschsch.*
 Elle appartient à mon subgenre *Leiotpermum*.

J'ai étudié le dernier temps les *Antennaria* & j'ai trouvé
 beaucoup d'intéressant dans cette groupe & d'espèces nouvelles.

Je ne suis pas trop pressé pour votre paquet, mais
 j'ai desiré de recevoir un aussi grand nombre, que possible, prin-
 cipalement d'espèces de l'Amérique. S'il se fait vous
 pouvez m'envoyer votre paquet par „the Smithsonian
 Institution” & M. le comte Hugel me l'envoiera. Notre
academia Leopoldina-carolina nat. Cur., dans la quelle ma
 frère le Dr. Frédéric Guillaume Schultz a été reçu le
 1 Mai avec le nom *Stoek* est en relation avec la
 célèbre Smithsonian instit. & j'enverrai aussi de mes mémoires
 & des *Jahresberichte* de notre *Pollichia*.

Ecrivez moi ce que vous desirez de moi et je
 ferai mon possible de vous satisfaire.

En attendant vos nouvelles avec impatience
 je profite de cette occasion de vous saluer
 avec considération amicale

Votre affectionné

C. H. Schultz Bipont.
 (cognom. Castini)

Peut être vous pourriez me
 procurer de vos amis aussi
 des *Cassiniades* & me les
 envoyer en même temps. Vous
 pouvez aussi m'adresser
 qu'ils recevront quelque chose
 de moi. Mon frère qui a
 écrit une „Flora des Elz,”
 sur les *Orobanchées*, & qui publie
 la *Flora Galliae & Germaniae* spéciale
 dant 16 Cent. d. s. parus est aussi prêt
 à échanger.

[Signature]

Vous pouvez m'envoyer
 aussi votre paquet par
 M. Röding d'Hambourg.
[Signature]

Amund, Jan 11, 1855

Celeberrimo & amicissimo A. de Gray
prof. cantabrig., membro acad. c. l. nat. cur. &c.
S. P. D.

Car. Henr. Schultz Bipontinus, acad.
caes. l. c. nat. cur. adjunctus.

Litteris tuis die 8^o m. pr. datis
herique acceptis sine mora respondeo,
praecipue cum fasciculum tuum
ditissimum, ultra 300 Cassini'scos
(compositas) & scripta tua nova
continentem, mediante consule
americano D. Flügel, liptienti,
jam die 16^o m. Decembris a. p.
acceperim. Quare tibi ago
maximas pro plantis tuis omni
ratione pretiosissimas, quibus
collectorem meum locupleto.

Observationes seq. de plantis
tuis inter alia feci:

- 1) *Aster agurens* A. purpureo Desf.
sec. specimen hort. paris. valde
affinis est.
- 2) *Proximum glaucum* & *Dolichophyllum*
mihi videtur *C. tarapacifolium* Nutt.
- 3) *Renanthes* (legitima) tua mihi
novi generis pignus = *Regiopappus*
legitimus C. A. Nutt. spec. MS.

4/ *Liocorys palchella* Linn.
 nov. genus *Freudenliediana* *H. B. K.*
 = *Cratogeomys peruvianus palchellum*
 C. A. H. B. K. H. B. K.

Multas species florae tuae
 adhuc desidero inter alia:

1/ *Alster* n. 6 (calyptrata) 8, 12-16,
 19, 26, 28, 34-37, 40-43, 47.

Alster inter alios ceteros flores comprehendit
 species. 113 A. inter A. = A. undulatus
 Linn. & A. undulatus Linn. A. diversifolius
 vocatus, 49?, 50?, 52?, 53.

(34-60?), 62. A. prenanthoides Willd.
 (Olio pr. Dayton: Frank.) A. cordi-
 folia Linn. affinis, A. heterophylla
 adnumeratus. 69, 71, 103-106,
 109, 110, 113-116, 118-121, 124-128,
 130.

2/ *Solidagineae* fl. tuae desidero
 n. 4, 5, 6, 9, 10, 12, 14, 15, 16, 17,
 19, 21, 23, 26, 27, 29, 30, 33, 34,
 36, 37, 38, 39, 40, 42, 44, 48,
 51, 58, 59, 62, 63, 67, 68, 72, 75,
 76, 77, 78, 79, 80, 82, 83, 87, 91, 93

E California in herbario
 meo fere nil habeo. Procor
 itaque ut unde ^{procor} sitione, florae
 californicae multas quae in
 duplo herboreo

Fasciculum nunc pro te paravi cui
 addidi *Caffiniaceas* ab amicissimis
Sartorius in prov. mex. Verat. Cruz
 pr. Mirador lectis. Si aliam
 familiam plantas desideras quae te
 ut mihi scribas.

Cum fasciculo tuo propinquo
 semina *Conspontarum* hort. tui
 anno cur. colligenda pro horto
 nostro *Manahemii* florenti exopto,
 nec nec *Lichoriaceas* novellas
 florae tuae pro *Lichoriaceologia* mea
 (120 specimina cujuslibet speciei
 completa) a discipulis tuis colligenda.
 Pro 5 speciebus à 120 specimina
 offero *Caturicam* *Lichoriaceologiae*
 & pro aliis *Hierariae* florae
 tuae desidero. C. G. Engelmann
Cynthiam virginicam &
Uabalam asperam jam transmissit.
 Circa plurimas florae tuae mihi
 adhuc debent inter alia florae
 tuae n. 1. 2. 3. 4. 9. 11. 12.
 14. 15. 16. 17. 18. 19. & *Carduus*
occidentalis.

Et nunc vale comatibique
 meis favere perpe.

Dabam *Deidesheimii* die 6^o m. Martii
 1854.
 Adresse C. H. Schultz Bipont.
Deidesheim (Bavière rhénane).

Viro celeberrimo, Caffiniaceologo acerbissimo,
Alfo Gray, professori cantabrigiae etc.
S. P. D.

C. H. Schultz Bipont M. D., acad. caes. Leop.
car. nat. car. adjunctus.

(Ade. Deidesheim, Rheinbargen).

En tandem, vir amicissimus, tibi mitto, mediante
consule americano Lepient et Smithsonian
institutione fasciculum plantarum ultra 500 species
continentem e quibus 464 Caffiniaceae. Species
ad alias familias spectantes inter alia e reliquis
Hortensibus defunctae sunt.

Pro hoc fasciculo conficiendo herbarium meum
nondum tetigi, cum omnia e duplici acri hauserim.
Proxima vice vero herbarium ipsum percurram
speciesque a Te designandas seligam.

E herbario praefidis nostri eminentissimi,
Hectoris Meesii, cujus Caffiniaceas nunc cum
iis b. Curt. Sprengelii possides, plurimas
invenies species, e quibus praecipue 35
Asteroidae e manu auctoris iconographicae
et plures aliae cum specimenibus Meesii originis
comparatae quales tibi erunt.

Mitto tibi porro Scripta Pollichiae

superfina pro re et reliquis membris Americanis
bor. rogans ut ea benevole et. transmittas vides,
addoque 4 autographas Curt. Sprengel et 12
cl. auctoris flor. Germaniae Noct. pro amantibus
autographorum.

Pro cl. Torrej etiam fasciculum inchoavi, sed
si desideratur, mittendum. Torf. cl. videri debet
cum fasciculo tuo proximo etiam fasciculum mittit?
Genus Aster hoc auct. in herbario & porto
examine subijcis accuratiori & observationes meas
tibi. Serius communicabo.

Procor nunc ut in hi. cum fasciculis tuo proximo
observationes tuas de plantis meis communices.
Desidero & Compositas herbarii tui nondum acceptas
et speciatim, duce flor. tua c. cl. Torrej conscripse
species sequentes, pro in digne habens, inclutis
novitibus tuis:

Vernonia n. 1 (oligophylla), Kaulthutina.

Carpophorus 2, 3, 4, Liatris 6, 7, 8, 13, 15, 16, 17, 19.

Bulbostylis 1, 2. Brickellia 1, 2, 3.

Eupatorium 17, 24. Mandosora 2. Adeuscarum.

Corethrogyne 1, 2, 3, 4. Dieteria 1, 2, 3, 4, 5, 6, 7.

Veriscarpus 3, 4, 5.

Aster 6, 8, 10, 11, 12, 13, 14, 19, 24, 28, 36, 37, 40,

41, 42, 43, 44, 47, 53, 54, 55, 56, 62, 65, 69, 71, 72,

73, 75, 79, 80, 84, 88, 102, 103, 104, 105, 106, 109, 110, 113,

114, 115, 116, 118, 119, 121, 124, 126, 127, 130, 131.

Erigeron 6, 8, 13, 15, 19, 20, 21, 22, 23, 30, 31, 32, 36, 37, 38, 39, 40,

Diplopappus 2, 3, 7, 8. Townsendia 2, 3, 4, 5.

Prochloa; Gynandropsis, Julionexia 1, 2. Anachypasta
Solidago 4, 5, 9, 10, 12, 15, 16, 19, 21, 23, 26, 27, 29, 30, 33, 34, 36, 37, 38, 39, 40,
42, 44, 45, 50, 58, 59, 62, 63, 67, 68, 71, 75, 76, 77, 78, 79, 80, 82, 83, 87, 91, 93.
Cinopsis 2, 3, 4, 6, 7, 8. Ammodia. Macrodema 1, 2. Ericaeria 1, 2, 3.
Stenotus 1, 2, 3, 4, 5, 6, 7. Aplopappus 3, 5, 6, 7, 8, 9. Pyrocoma 1, 2, 3, 4, 5, 6.
Priopappus 2. Grindelia 1, 4, 6, 9, 10. Pentachaeta. Heterochaeta 2.
Chrysopsis 3, 6, 7, 8, 16, 17 (mollis) 12 (foliolata) 14 (seffliiflora).
Coreya. Baccharis 3, 4, 5, 6, 7, 8. Pluchea 4. Filaginopsis 2.
Diaperia. Pilocarpus 1, 2, 3, 4. Stylocline 1; Borreria 1.
Melampodium 2. Blennospora; Polymnia 1. Silphium 3, 4, 6, 8,
Berlandiera 2, 3. Portulaca 3; Fua 4, 5. Picotemanus;
Ambrosia 2, 5, 7, 8. Transferia 1, 2, 3, 4, 5. Zinnia 2.
Wyethia 1, 2, 3. Balsamorhiza 1, 2, 4, 6, 7. Tetragonotheca
Echinacea 2. Rudbeckia 7, 8, 12, 13, 14, 15. Euclia.
Helianthus 5, 6, 14, 16, 17, 21, 24, 29, 30, 31, 32, 33, 34, 35.
Helianthella 1, 2, 3, 4, 5. Actinomeris 2, 4, 5. Aganista.
Coreopsis 1, 2, 5, 7, 11, 24, 25. Cosmidium 1, 2. Bideus 7.
Leptopne, Eckermannia, Lipochaete, Verbena 3.
Vanitabid, Flaveria, Riddellia, Palafoea 4
Chaenactis 1, 2, 3, 4, 5, 6. Hymenopappus 1, 4, 5, 6. Bahia 1, 2, 3, 4, 5, 6, 7, 8.
Actinolepis; Lathraea 1, 2, Ruscifolia 1, 2, 3, 4, 5. Dichroa 1, 2.
Hymenopsis 1, 2, 3. Actinella 2, 3, 4, 5. Helenium 2, 4, 6.
Leptopoda 2, 3, 4, 5. Actinopappus; Marshallia 1, 3.
Laya 1, 2, 3, 4, 5, 6, 7. Callichroa 1, 2. Oryza, Heliconia 1, 2, 3, 4, 5, 6, 7,
8, 9. Callicadenia 1, 2, 3, 4, 5. Lagophylla, Anisocarpus,
Madaria, Madia, Alida, Harpocarpus. Achillea 3,
Monolopia 1, 2, Coreogyne, Vervagha, Aronia, Quercus 3, 4.
Artemisia 6, 7, 9, 10, 11, 12, 13, 14, 15, 18, 20, 21, 23, 24, 26, 29, 31, 32.
Volia 1, 2. Gnaphalium 2, 4, 7, 8, 9, 11. Antennaria 7, 8.
Filago, Cacalia 1, 7. Venecia 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16,
18, 19, 20, 21, 24, 27, 28, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40.
Tetradymia 1, 2, 3, 4. Arica 1, 7, 8, 9. Leffigia, Saussurea
Cirsium 1, 2, 3, 4, 9, 11, 12, 14, 15, 16, 17, 18, 19. Carduus, Aconitum
Frigia 2, 3. Scorzolla 1, 2, 3. Calais 1, 2. Stephaomeria 1, 2, 3, 4.
Rafanilgia, Argemone, Hieracium 11, 12, 13, 14 & H. Carolinensis
Malva 4, 5, 6, 7, 9, 10. Lygodesmia 2, 3. Malacottis 1, 2, 3, 4, 5, 6.
Crepis 2, 3, 4, 5, 6. Tropium 1, 3, 4. Macrochus 1, 2, 3, 4, 5, 6, 7.
Taraxacum 5. Pyrelopappus 1, 2. Lactuca 3.

Adde fasciculos pro E. & amicis J. Engelmann
1/ Göttinge Momente
2/ Fr. Schultz archives de flore p. 1-96 *Sperans*
ut inter floras *herbariorum* botanicos plurimos
invenies qui ^{pro} modico pretio sepe floras galli-
copularem faciant aut sustentant.

Vale vobis viri amicissimi carissimi
meis facere perge.

Dabam Deidesheim in Germania
rhena (bavaria). die XXX mensis
Julii an. 1835.

Obs. Fasciculos tuos heri vecturae publicae
Lipsiensis traditus est. Spero ut brevi
fasciculum tuum accipiam desideratissimum
cum desideratis tuis & herbario ipsissimo
feligendis.

L. B. P.

Deidesheim

den 12^{ten} Juni 1856

Die Pallichia

ein naturwissenschaftlicher Verein der Rheinpfalz

DÜRKHEIM A/H

an
Hochw. Herrn Prof. Dr. Asa Gray, Cantabrigienfi, amico
exoptatissimo S. P. D.

C. H. Schultz M. D. academiae coop. l. o. n. c. adjunctus.

Litteras tuas, die 15^o m. Junii a. pr. et die 24^o l. a.
datas cum plantis tuis novis Chamberlainis & Valvata
grato animo, mediante Soc. bot. natisbonensi (Dr. Körner)
nec non mediante amico & Stolz, Plamburgensi, effigiem
tuae exoptatissimam.

Cassiniaceas meas tibi gratas fruisse valde laetor
propterea ut sequentia corriges:

- 1/ Eupatorium attractum L. = Eup. ciliatum Less
- 2/ — Schiedeanoides L. = var. floribus floescentibus &
foliis infra pubescenti-tomentosis Eupatorii pycnocephali Less,
speciei polymorphae, cujus synonym. = Eup. Schiedeanum Schrad.
Dies enim diu docet & melius est antiqua
corrigere, quam nova proferre.

Mediante inst. Smithsoniani mihi data est occasio optima
tibi fasciculum mittendi, continentem ultra 250 species, inter
quas pleraque sunt Cassiniaceae & fere omnes mexicanae
ab amicis rhevanis et Schaffner & Sactorius lectae
Inter aliam familiam stupas plurimas accipi a
musco regio berolinensi a cl. Warszewicz, R. Schomburgk,
Otto & Moritz lectas et plenasque a Schedularum
Scriptore amico Klotzsch nominatas. Alias addidi
e herb. praepidis notis, patris Meis ab Esenbeth
in nominatas, nec non extraamericanas a cl. Polle
in Canariis & Cap Vert lectas aliasque pl. rarissimas.

Pro te addo plantas novas Lechleriaceas
(Nuplandia 1856 n. 4) et pro te cl. Torrey, Engelman
& Griseb. Scripta Pollichiae nempe 13 - Fabres-
berich & Statuta ed. 2^a. Cui cl. Torrey mihi
fasciculum, Cassiniaceas cont., ante annos jam
monstrum non mittit?

Mense Octobri a. p. Parisiis eram
et cum amicis nostris multas examinavi

Cassiniaceas et 600 species reportavi. Cl. Weddell
auctor Chloridis andinae, princeps in hac officina
erat. Mense Septembri iter faciam Vindobonam
ubi congressio naturae Curiosorum & Acad. Curiae
Germaniae vocata.

Tu, collega amicissimum jam pluries Europae
musca visitasti et sine dubio iterum atque iterum
visitabis. Inuito te nunc officiose, propria vice
Deidesheimium (prope Mannheim v. Francofurtum situm)
adire et Cassiniaceam ream, sine dubio, forsam
omnium, ditissimam, perlustrare.

Fasciculum tuus propinquus - Cassiniaceas
tantum desidero - jam ex parte absolutus, mihi
erit exoptatissimus et mediate inst. Smithsoniani
optime transmittendus.

Vale nunc, plurimum saltem Agafizzio
meo imperti, omnibaque meis fave.

Dabam Deidesheimi die 12^o m. Junii
a. 1856.

Pecor ut mihi judicium tuum de
plantis transmissis scribas.

Atque mihi adhuc sunt plures
nonnullae rite examinatae.

Omnes Lichoriaceae tuae mihi erant acceptissimae, Lichoriaceologiam
hic me propina verolimitate doturus. Nunc discipulorum tuorum aliquis
Centuriam Hieracii specierum colligi potest pro Lichoriaceologia explere. Pro 5 speciebus
Centuriam accipiet.

Deidesheim den 1^{ten} Juin 1857.
contin. 26 Avril 1860.

Die Pallichia

ein naturwissenschaftlicher Verein der Rheinpfalz

DÜRKHEIM 4/11

Mon cher A. G. G.!

J'ai reçu votre lettre du 14^e Février, mais
pas encore le paquet que vous m'avez annoncé.
+recu: Bien de remerciements pour les notes que vous
avez eu la bonté de me communiquer sur
le *Storta micranthos*, *Aster Schaffneri* &
Wintgenia texana. Je vous prie de continuer
vos notes & pour vous donner une nouvelle
occasion je vous fais un 3^e envoi pour
votre herbier composé seulement de 36 espèces
à qui j'ajoute 8^e *Helianthées* dubieuses
de mon herbier sur les quels je désire
recevoir votre avis. Je vous prie de
me retourner ces 8 espèces avec votre 1^{er}
envoi & d'y ajouter, s'il vous plaît,
aussi des *Cassiniacées* dubieuses.

Ne le manquez pas si vous n'avez pas encore des échantillons de la collection de l'égypte. Les envois de la collection de l'égypte sont déjà différents.

Desiderata:

De Vos Chloridaceae si desiderat les Scrophulariaceae, Calais Douglasii, Stephanandra grandifolia & exigua, Rafinesquia, Argemone, Hieracium carolinianum Fries, Scouleri Hooker, albiflorum Hooker, Halimolobos.

MS. Poffidea hirsuta Hieracii arguta Malt. a C. Haente. Cent.

Labellum hirsutum, virgatum, laeviusculum, alatum, xygodesmifolium, grandifolium, Malacotheca, Xrepides, Proserpinaca, Marsipposiphon, Pyrrhopappus grandifolius, Lactuca Ludoviciana & X

Je suis satisfait que vous êtes content avec mon envoi du 12/56. Parmi mes correspondants, vous êtes en 1^{re} ligne & j'ai pour vous un tiroir, dans le quel je place de tous mes envois et de mon herbier même des Castiariacées dont je présume qu'il pourroient vous intéresser.

Vous m'avez charmé de m'annoncer que vous me préparez un nouvel envoi & de m'écrire que Mr le professeur Correy aura la bonté de me préparer un envoi de Castiariacées. Ayez la bonté de lui écrire que m'obligerait infiniment par cela & que j'ai déjà commencé à lui préparer un paquet. Je le prie seulement de bien vouloir m'annoncer ce qu'il désire principalement.

Deidesheim 25 Avril 1860. !!! La longue maladie de ma chère fille Anna, que j'ai perdue le 22 Fevr 1859 (cf. le chlorophorum Bipontinum n. 14) est la cause du retard! Plaignez-vous, car j'ai perdu beaucoup. Elle étoit née le 8 Nov. 1839. Maintenant si recommence à vivre.

Recevez vos envois de 27 Juin 1857 (50 espèces) & en Octobre 57 les envois de Correy & Thurber. Le 27 Août 1859 j'ai reçu avec vos anciennes 54 espèces.

Le retard de plus de 2 ans a augmenté mon envoi qui vous parviendra par la Smithsonian Institution à 300 espèces. J'y ajoute des grands envois pour Correy & Thurber et des diplômes de la Pollichia pour Thurber & mon ancien ami Agassiz. J'offre en échange de vos publications à votre soc. of nat. history of Boston & la quinzaine j'envoie des mémoires.

Notae. 1. Eclipta laevigata juncipis fine nomine missa v. adnot. "perfectly prostrate" = Eclipta bellidioides Schimper. = Jaegeria bellidioides Sprng! Syst. veg. III. 591 = El. ellipt. DC. pr. O. 6 p. 211.

2. Eclipta negapotaunica Schimper = Vabelinaria Sprng! = Eclipta lanceolata DC. 2. Novas habeo Simliasi inter alias S. villosissimum Schimper a C. Müller. 1. 240 in Mexico certum adpressum calvis v. Simliasi exaristata DC. p. 1. Obscurum sed micorem & foliis ovalis - cordatis! oculis crebre crenulatis, fissis, lobatis, infra cras-villosissimis C.

3. Hieracia mexicana revisi Schimper. Quod nomine Hieracii multo melius Schimper Libi translucet = H. mexicanum Schimper & H. Schaffneri Nees = H. Strigosa Don.

Je vous envoie cette lettre par la poste en sous priant de me préparer un nouvel envoi & de donner par occasion aux membres & soc. corresp. qu'ils recevront dans envois par la Smithsonian Institution dans quel mois. Savoir: Agassiz, Engelmann & Academy of Science St. Louis, Dr. Gabel, Dr. Kingston Montrose & cand. natur. & geol., Correy, Thurber & Smithsonian Inst., Soc. of nat. hist. Boston.

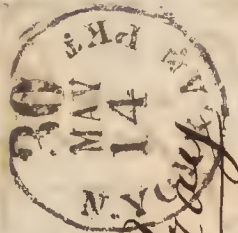
A propos si vous voulez proposer un de vos collaborateurs comme membre honoraire de notre Pollichia nous le recevons volontiers.

Continuez de me garder votre amitié & votre bienveillance & demandez de ans doubles ce que vous voulez. De plus recherchez plantes de l'Algérie, d'Egypte &c.

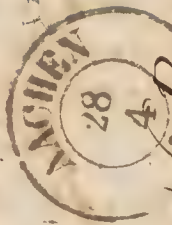
En attendant vos nouvelles tout à vous
Votre affectionné C. H. Schultz Bipontinus

MAINT
ST 4 13
1790

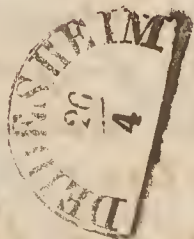
8 days



Professor Dr. A. A. Gray



Cambridge (Boston)



U. S. North America

Deidesheim 5 Oct. 1860

Mon cher Alar Jung!

J'ai reçu votre lettre du 4/8 le 27/8
et celle du 1/8 hier, avec les
herbes. Je vous envoie des brins
de ma plante (*Baccharis arctioides*
L'Her. in *Boisslandia* 1856 p. 51).

J'ai reçu de feu Meis en
1854 dans les reliques *Macarici*
la plante, femelle que j'ai
considérée dans mon herbier comme
un nouveau genre des *Griseboides*
et dont j'ai donné le nom
Bryopsis. En 1855 j'ai reçu
de Lechler la plante et
et j'en faisais une *Baccharis*
dans la *Boisslandia* 1860 p. 28.
Voilà j'ai publié un petit
mémoire sur le genre *Loricaria*
Weddell.

A *Terminalia* 1. *Loric. ferruginea* Wedd.
2 — *anceps* L'Her.
B. *Lateralis* 3 — *thyoides* L'Her.
complanata 4 — *complanata* Wedd.
C. *Lateralis* 5 — *gracilis* Wedd.
semiterata

Vous m'obligez beaucoup de
m'envoyer avec Wright
mes herbiers coll. aussi des
plantes du Japon et des
Andes ainsi que d'autres doubles
des Caffiniacees que Vous
avez trouvées pour moi

Je Vous remercie beaucoup
que Vous m'avez signalé
le *Solidago Mühlbergii*
que j'ai trouvé avec le *S.*
virgata dans mon herbier

Je Vous prie de gronder
un peu mon ancien ami

Agalliz, parce qu'il n'a pas
encore répondu. Il pourrait
bien faire un petit envoi
à la Pollichia, dans la
quelle il se trouve bon
nombre de ses anciens
amis. Est-il encore
amateur? — Nous étions
avec Alex. Braun, les
2 Schimper, Hugo Mohl,

mon père, Schrank, de Martens,
Juccarini, Schultes, de Parry
et d'autres à Munich. Autre,
nos études Agalliz étoit Senior
(président) de la Helvetia
et moi de la Burschenschaft
(tricolor allemand, noir, rouge et
d'or) et nous avions beaucoup
de relations principalement
avec les doctes des étudiants.

Nous passons dans le
monde excepté l'ardeur
pour la science aimable
qui est, si le peut, toujours
crescendo.

En attendant avec Vos
nouvelles un paquet de
Caffiniacées j'en suis toujours
pres à Vous servir.

Votre affectueux et
ancien ami

C. H. Schultz Bipontinus
cop. Caffini

J'ai étudié ce printemps une grande
collection de *Cassiniaceae* de
Bolivia: G. Mandon. de Portiers
dans la quelle j'ai trouvé
3 nouvelles *Pilosella* & un
nouveau genre voisin de *Verbes*
= *Mandoria Pilosella* L. sp.

Esperant que ma lettre
vous trouvera en bonne santé
je desirais de recevoir bientôt
de vos bonnes nouvelles
etc.

Mon à Vous de coeur
Vôtre affectueux!

C. H. F. Kuntz, Portiers

A. Gray
Cambridge

Deidesheim 28 Juillet 1864

Mon cher ami & confrère!

J'ai reçu le 24 Sept. 1863
votre intéressant paquet de
Cassiniaceae avec votre aimable
lettre du 22 Juillet 63 & je
vous en remercie.

Vous recevez par le
Smithsonian Institution:

- 1/ le 18. 19. 20 & 21 *Pakrothrecht*
de la *Pollinia*
- 2/ une *Cicchorinaceae* 125 no
avec un bris
- 3/ 63 *Cassiniaceae* mexicaines
- 4/ 26 --- *Verbes*.
- 5/ une *Lycnophora*

Esperant que mon envoi
vous fera plaisir, et vous
encouragera de continuer vos
précieuses collections pour moi.
6/ une photographie pour la quelle
je desirais la vôtre & ceux d'autres
botanistes américains qui

voudraient changer nos: nos: pres,
nos: ancien: amis Agestey, N.
Novey &c.

Permettez moi de faire quelques
observations sur vos plantes:

A. Helvois: E. Helv. &c.

Hieracium longipetalum = Pilosella L. f. f.
Je desirais beaucoup de cette
espèce pour la suppléer à
la Cichoria montana ainsi que
des autres Chiconiacées de
l'Amérique dont j'ai eu donné
que 2 espèces.

Centaurea? = C. melitensis L.

B. Rocky Mountains

232 Erigeron aeneus = 2 spec. E. aeneus & E. sphe-
celatus f. sp. n. sp. ob. involucri foliola
apice sphecelate.

243 Erigeron effusus = n. sp. E. melanostichum f. f.

316 Senecio lugens = S. fastigiatus Nutt. et
S. arthrostichus f. sp. ob. pilos. v. art. callos.

318 — lugens var. = S. sphaerolatus f. sp. n. sp.

316 — — var. = S. epretatus Nutt.

318 — longilobus Nutt. = S. filifolius T. & G.

349 Hieracium triste = Pilosella gracilis f. f.
non Willd.

750 — rebiflorum — — albiflora f. f.

352 Pilosella Hookeriana = 410. P. steno-
cephala f. sp. n. sp. Hookeriana, involucri
fol. linearia acuta (nec lance. oblonga).

357 Lappaceum montanum = L. arctophorum Nutt.

2. 814 in agis nat. = Maianthemum leucanthum f. f.

J'ai envoyé la lettre à M.
Parente le 11 août 63 la jour
même, ou j'ai reçu votre lettre.

Quoi faire avec ma grande collection
de Cassinacées plus que 10,000 espèces
en plus que 100,000 échantillons,
après ma mort. Je voudrais la
vendre à un grand herbier qui
pourrait la recevoir après ma
mort. J'ai reçu récemment de
Diege 1200 Cassin. du C. D. S.,
la propre collection de St. Peter,
beaux jusqu'à 1339 pas de
Prévil (Riedel Langsdorff) &c.
Autre la plus grande partie des
collections des 1833 j'ai acheté
les Cassinacées de C. Sprengel
(Forster etc.) et de M.
Humboldt (relig. Haussner etc.).

Cl. botanicae professori
Asa Gray
(Cambridge Mass.)
S. P. D.

C. H. Schultz-Nipontinus

Sine dubio annales Pelli-
chinae vestrae una cum
Cichoriaceotheca mea
accepisti. Fasciculum
pro te parvo novum a.T.
mittendum.

Si pro Cichoriaceotheca
supplemento Cichoriaceas,
cujusvis speciei 50-60
specimina bona, mihi
transmittere poteris, grate
eos accipiam annales.
Pura alia de arboribus
Pilosellas (Hieracii)
facere timeo.

Valde nunc, amice, carissime,
constatque meis cassina-
ceologicis fovee perge.

Dabam in vespere cassinaceologico

Deidesheim (Palatinatus),
20 Maii 1865.

Litteras tuas mihi
J. Engelmann recipio.

As Gray.

Deidesheim 10 December 1865

My dear friend!

Litteras tuas die 22 Junii & 21 Nov.

Datas accipi, gratulor accipiam
animo fasciculum Cichoriacearum
tuum - via Lipsie - mediante
bibliopola tuo ^{Lipsie} directe, mihi
mittendum, vel mediante amico
- Ambrosio Abel bibliopola
Lipsiensis, marito fororis professoris
botanices heidelbergensis Hofmeister.

C. E. Hall proxima vice pro
merito tuo in Cichoriacearum
meum pariter exemplum operis
mei transmittam, cum fasciculo
tuo et si desideras pro
amicis junioribus Cichoriaceas
no 60 ~~exemplum~~ pro me
colligentibus, ~~liberum~~ me
dupla.

Amicus meus Agazziz, graduan
Monachii cum fratribus Schimper
Alex. Braun, Hugo & Mohl
aliisque meum conjunctissimus
litteris meis nondum respondit.

Pro Cichoriacearum fasciculum exigentis
no 60 exemplum comperto desidero

Cassiniæ in Brasilia collectas
libenter determinabo.

Pell'chia nostra, mens Septembris,
jubileam splendissime celebrat,
ubi plura inclutur ab amico
Agassiz explicandam, demonstrat.

Dupla mens, cui Pell'chia
gratissimè accipit amicos,

Pro Pell'chia amabilibus
mens Cassiniæcorum Platinæ
distributionem geographicam
Sociam, nec non Brasiliæ
Cassiniæcorum Determinabo
pro umbra forte petropolitana.

Cum filii mei non sint
botanici Herbarium meum
Cassiniæcorum meum ultra
10,000 spec'is et ultra 100,000
exemplaria post mortem
meam in mensuram
migrabit. Pretium est circiter
1000 Lib. ster. Quid credis de
hoc re?

Valeamus, conat' Cuius
meis favore perge.

Amicus

C. H. Schultz Aipolicus

Historia Cassiniæ
Cassini pro Pell'chia ultra delibet, Cassini
pro Cassini tua optima super transmissa
Cassini

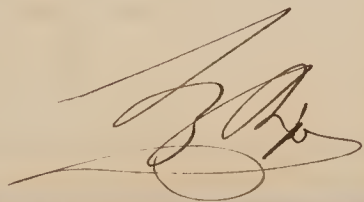
Quis potest mortem herbarium meum,
Cassiniacearum vicinam orbis terrarum
ultra 10,000 species et ultra 100,000
specimina continens habebit? —

Quines Cassiniaceas herb. cl. Curt.
Sprengel, Boiss ab Epalact., Bischhoff,
Forster, Haenke, Siege, & & &
habes. — — — — —

Prag, ma vice Ebo pluviana
Cassiniacearum Brasiliensium mittam
Dupla. E herbario pottopolitano
accepi plus quam 1600 no
Cassiniacearum Brasil. praed cl.
Riedel botanum.

Vale nunc, vixit
optime, praed mihi fasciculum
familiae meae, Saluta
Agastizian meum, amicum apicero,
olim Don Juan no I, cujus
Cassiniaceas debenter nominabo
proque

Dabam Divisheim 12 Apr.
1866.



- 651 *Trichogonia foliosa* Griseb. (Nanchet 3702,
Rindl. 2965 & 2967, Neesle Ser. 1152, Caffer 44
642 *Eupatorium Sternbergianum* DC.
1997 — Fendleri Schp. n. sp. minima v. cap.
micrastrum. L. n. sp. n. est. Eup. ligusticum Schp.
628 & 629 — *irrefinoides* H. & A. H.
626 *Osmium* (*Eupatorium* L.) *odoratum* Schp.
1987 *Carpobolus leptopus* Schp. *Lychnis* p. 99. n. 13 n. sp.
657 *Vernonia gracilis* H. & A. H.
658 — *scorpioides* Pers. p. *subtomentosa* DC.
Bls. In Venezuela, plures species breviter
describere v. r. *Trichogonia foliosa* &
+ *Carpobolus leptopus* magni est momenti

Gratias Tibi ago quam tecum in
causa carissimas, pro fasciculo L. H.
incomparabili! Pro *Cichoriaceotheca*
mea nunc accepi satis spec. Leg.
Pilosella (*Hieracium*) *scabri*, *Gronovii* & *venosi*
Mabreii & *eximii*.

Quod de Fendleri pro *Pilosella* (*Hieracium*)
longipila tractatiprat = *P. Gronovii*!!!

Pilosella longipila varietatem continet
necnon et. Halli sed tantum 10 specimina
nunc & insuper (Ringwood, J. Boef. p. 189
61) novella specimina pessima deficiunt.
Desidero *P. longipila* numerum sufficientem
pro *Cichoriaceotheca*, nempe 60 specimina,
Mabalan afferam & *Cynthium virginianum*,
jam publici fieri jure in *Cichoriaceotheca*
a v. r. Hall & C. n. v. libenter clavis
exemplar *Cichoriaceothecae* mittam
si mihi *Cichoriaceas* colligent.
Numero 60 specimina.

Annotationes in *Cassiniaceas* ab
amicissimis A. Gray die 31^{ma} Martii 1866
acceptas auctore C. H. R. H. H. H. H. H.
— 11 Apr. 1866

Hieracium Gronovii A. G. = *Pilosella* Schp.
— *albiflorum* — — — *a. B.*
(certe *Pilosella*) genus optimum! —

Antennaria potentillodes A. G. = *A. fagalis* A. G.
— *propinqua* *Abstraktus* ob. rec. *hirsuta* A. G.
Hardyana *palmata* A. G. = *H. Holanderi* Schp.
n. sp. *Diversa* & *specimen* *Hookeri*! &
Labrador (= *H. Gronovii* Schp.)
(Chiapas: Ghiesbrecht).

Helianthemum Ghiesbrechtii A. G. = *H. (Hecabea) DC.*
scorpioides Schp.

Dahlia n. 154 & sp. n. = *Coreopsis Dahlia* Schp.
Aster = *A. trilobatus* Schp. — *Chaffa*
n. 65 & *rebusan* n. 519

Knautia *anthemoides* = *Knautia integrifolia* Willd.
n. 101 *pappus* n. = *Echinacea chrysanthemum*
Schp. *rebusan*! n. 51 & 56 (Lambre de Sotago)
Centaurea Galeottii A. G. = *Coreopsis J.* Schp.
Heortia glutinosa *occipitans* = *Knautia*
capitata Schp. — *rebusan*! n. 186 & 132

Sandwich

Vittadiniæ sp. = Schenbachiæ Moench &
 Vittadiniæ Rempi A. P. = Schenbachiæ R. & P.
 — humilis L. = — R. & P.
 — corymbosa L. = — R. & P.

Venezuela: Pader. her. has.
 cl. Humboldt (Linden), Moritz & K.

- n. 721. *Lampyris communis* L.
 715 *Gregorago parvifolia* L.
 718 *Pilosella* (Hieracium L. Fr.) *tovarensis* L.
 679 *Protopus ovatooides* L. & P.
 637 *Flourensia neoplatensis* DC.
 704 *Tricus pulegiensis* B. P.
 705 — (Vanderm. & P.) *diversifolia* L.
 701 *Guaphalium ciliolatum* (L.) *fatimoides* Lam. & P.
 705 & 1972 *Drechslera linearifolia* Raf.
 702 *Senecio tovarensis* L. & P. aff. *reflexa* L.
 658 *Liabum* (Lidocaulis) *reflexum* L. & P.
 var. 656 — (—) *sessiliflora* L. & P. var.
 Penderix & P. floro, pappi ext. radiis angustioribus.
 632 *Pectis elongata* L. & P.
 637 *Calceolaria dipetala* L. & P.
 691 *Epilanthus alba* W.
 688 *Legos multifida* DC.
 726 *Latrillea serrata* DC.
 674 (No. 1) *Melanthera* (Lam. & P.) *affera* L. & P.
 690 *Galinsoga calva* L. & P.
 677 *Opeltia verifolia* L. & P.
 680 *Quercus verbinoides* DC.
 681 *Melastoma affera* L. & P.

- 685 *Aedema* (Dichostema) *coffereola* L. & P. in Linden
 n. 1465 & Otto 811 in *Coffera* *coctis* *abundans*
 689 *Galinsoga* (Vargosa L.) *caracasana* L. & P.
 1352 *Verbesina acuminata* DC.
 690 *Alibadium caracasana* DC.
 1962 — *affera* L. & P.
 716 *Porophyllum ellipticum* (Lam.)
 1974 *Jussiaea tenuifolia* L. & P.
 698 *Verbesina verbascifolia* (Viles!) *herb.* n. 16386.
 694 *Apocynum nodiflorum* Jack. (Caracas. - Humboldt)
 695 *Hibiscus pilosus* L. var. *Cucurbita* L. & P.
 696 — *Lycopodium* L. & P.
 1966 — *Sulphurea* L. & P. var. *calva* L. & P.
 776 *Ceanothopernum Anthioides* DC.
 1969 — *hispidum* DC.
 663 & 664 *Baccharis thesioides* L. & P. ♂ & ♀
 1954 — *truncata* L. & P. ♀
 671 *Erigeron microdon* DC.
 669 — (Lam.) *poribundum* L. & P.
 670 — *meridensis* L. & P. in Moritz n. 1373
 668 — var.
 618 *Ruellia odorata* (Lam.)
 683 *Coccoloba praeifera* DC.
 693 *Heckelia diffusa* A. P.
 1944 *Mitrania hirsuta* Willd.
 628 — *micrantha* L. & P.
 628 — *curvifolia* L. & P. var.
 630 — *Cucurbita* L. & P. in Linden. n. 218 (Covar
 nunt. 1842 in floris & Karsten! (Purto Rico)
 aff. M. caudata Benth. pl. Hartweg. n. 1112.
 1349 — *platyphylla* DC. var.
 1350 — *guaco* L. & P. var.
 1348 — *angularis* L. & P.
 621 *Hevia caracasana* DC.
 652 *Agrostis corymbosa* L.
 641 *Eupatorium inulaefolium* L. & P.

Dear Sir!

I was very thankful to You, when I received the parcel of Mr. Sullivan and sent in the month January a determination of the mosses from the Ohio, and a choice of mosses of my herbarium, which I hoped would be a treat to Mr. Sullivan. My sending was directed to Mr. Röding at Hamburg with order to deppatch the parcel to Your address.

The ~~mosses~~ gathered by Mr. Sullivan contained no new species, but good specimens and some remarks, by which I conceived, that Mr. Sullivan is a good observer. As I am now publishing a new supplement of mosses, I hoped to find occasion to mention the name of Mr. Sullivan as discoverer of a new species, but what was not done in this publication for the Eastern fair, may perhaps find his place in the following time.

I am with all my heart

Ereuzig 18. Febr.

1842.

Yours

Heinrich
Schwägrichen.

Schwägrichen

To
Mr. Alfred Gray
Esq.

New York

Y. G. H.

Headquarters Department of the Columbia,

Vancouver Barracks, W. T., October 25th, 1883,

My dear Professor:

I found your kind letter of May 2nd, awaiting me upon my return from a summer spent in the interior of Alaska, and I feel under deep obligations to you for the trouble taken in deciphering the little Arctic collection of flowers sent you.

While the main object of my expedition was in the interest of military matters, I have done something for geographical research, and not wholly forgotten a very few of the other ^{sciences}. I have an amateur's crude collection of about 100 plants taken between the Chilkat Pass and Fort Selkirk, ^(about 600 miles) over which no white explorer has ever travelled before. Could I ask to submit the same to you, asking the favor of a brief report that I could put in a

Schwatka

book, or published military report, or should you find them of sufficient interest to publish your deductions in any scientific journal which I could transcribe ^{readily} for the purpose mentioned.

I am very sorry that my collection is ^{over such new and interesting grounds} not larger but in a raft voyage of nearly 2000 miles, of from 14 to 18 hours a day, in order to make it during the summer, at all, there is but little inclination and ^{after comparing} light by which a person could make a thorough collection, but think it will give a fair general idea of the flora of that section.

I have taken the liberty of attaching ^{emptying into a large lake} your name to a conspicuous valley drained by two rivers, which lies between glacier ~~clad~~ ^{topped} hills 4000 to 5000 feet high, I hope to send you a map of same shortly, and later a few photographs.

Yours very truly
Frederick Schwatke

Prof. Linné Watson
Harvard

Memorandum of Agreement, made this Eleventh Day of February 1880.

between Asa Gray.

of Cambridge, Massachusetts.

and CHARLES SCRIBNER'S SONS, Publishers, of New York City.

Said Asa Gray being the author and proprietor of a work entitled:

Natural Science and Religion in consideration of the covenants and stipulations hereinafter contained, agreed to be performed by said CHARLES SCRIBNER'S SONS, grants and guarantees to CHARLES SCRIBNER'S SONS the exclusive right to publish said work during the terms of copyright and renewals thereof, hereby covenanting with said CHARLES SCRIBNER'S SONS that he is the sole author and proprietor of said work.

Said Asa Gray further guarantees to said CHARLES SCRIBNER'S SONS that the said work is in no way whatever a violation of any copyright belonging to any other party, and that it contains nothing of a scandalous or libelous character; and that he and his legal representatives shall and will hold harmless the said CHARLES SCRIBNER'S SONS from all suits, and all manner of claims and proceedings which may be taken on the ground that said work is such violation or contains anything scandalous or libelous; and he further hereby authorizes said CHARLES SCRIBNER'S SONS to defend at law any and all suits and proceedings which may be taken or had against CHARLES SCRIBNER'S SONS for infringement of any other copyright or for libel, scandal, or any other injurious or hurtful matter or thing contained in or alleged or claimed to be contained in or caused by said work, and to pay to said CHARLES SCRIBNER'S SONS such reasonable costs, disbursements, expenses, and counsel fees as they may incur in such defense.

Said CHARLES SCRIBNER'S SONS, in consideration of the right herein granted and of the guarantees aforesaid, agree to publish said work at their own expense, in such style and manner as they shall deem most expedient, and to pay said

Asa Gray or his legal representatives, ten per cent. on their Trade-List

(retail) price, cloth style, for all copies of said work sold by them ~~after the sale of~~

~~copies.~~ Provided, nevertheless, that no percentage whatever shall be paid on any copies destroyed by fire or water, or sold at or below cost, or given away for the purpose of aiding the sale of said work.

Expenses incurred for alterations in type or plates, exceeding ten per cent. of cost of composition and stereotyping or electrotyping said work, are to be charged to the author's account.

Statements to be rendered semi-annually, on the author's application therefor, in the months of February and August, and settlements to be made in cash, four months after date of statement. The first statement shall not be rendered until six months after date of publication.

If, on the expiration of *five* years from date of publication, or at any time thereafter, the demand for said work should not, in the opinion of said CHARLES SCRIBNER'S SONS, be sufficient to render its publication profitable, then this contract shall cease and determine; and thereupon said *Asa Gray* shall have the right, at his option, to take from said CHARLES SCRIBNER'S SONS, at cost, the stereotype plates and engravings (if any) of said work, and whatever copies they may then have on hand; or, failing to take said plates and copies at cost, then said CHARLES SCRIBNER'S SONS shall have the right to dispose of the copies on hand as they may see fit, free of any percentage or royalty, to melt up the plates, and to cancel this contract.

Provided, also, that if, at any time during the continuance of this agreement, said work shall become unsalable in the ordinary channels of trade, said CHARLES SCRIBNER'S SONS shall have the right to dispose of any copies on hand, paying to said *Asa Gray* *ten* per cent of the net amount received therefor, in lieu of the percentage hereinbefore prescribed.

In consideration of the mutuality of this contract, the aforesaid parties agree to all its provisions, and in testimony thereof affix their signatures and seals.

Witness to signature of *Asa Gray*
Anna P. Jackson.

Witness to signature of *Charles Scribner's Sons*
John H. Scribner.

Asa Gray

Charles Scribner's Sons



Memorandum of Agreement,

DATED February 11 1880.

BETWEEN

Paul Bea Tracy

AND

CHARLES SCRIBNER'S SONS,

FOR THE PUBLICATION OF

Natural Science Religion

1880

NEW-YORK, Aug. 12th 1880.

Prof. Asa Gray.

Dear Sir;

Enclosed you will please find a statement of copyright on the volume of Lectures and our cheque for \$109⁰⁰/₁₀₀, the amt. due.

The sum is certainly small, yet the sale, for a book of its class, has been beyond what our experience has led us to expect. We hope it will not prove disappointing to you.

It may be added that the book continues in demand and will no doubt eventually reach a much larger audience.

Yours very truly
Charles Scribner's Sons

MISCELLANEOUS DEPARTMENT.

New York,

Aug 1

1880

Prof Asa Gray

In account with **CHARLES SCRIBNER'S SONS,**

TERMS: NET CASH.

743 & 745 BROADWAY.

WITH THE CURRENT RATE OF EXCHANGE ON N. Y.

Dr by Copyright on

1101 Lectures on Science & Religion a. 10^c

\$110.10

Dr
Mch 4 To Mdse

\$109.10

My Copyright to date on
10 Natural Science @ 10

\$ 100

Scleropogon for
Beal's work on grasses

Prof. Watson -

You will oblige me by
showing this to Dr. Gray
& returning it - as it is a
proof which I have to send
to Prof. Beal. -

- Dr. de Tournier makes
two species of Scleropogon
but - I think his distinctions
between the ^{two} are of little value.

J.H.

Girard College, Phil^a Pa.
Feb. 17th 1882 -

Prof. S. Watson,

My dear Sir:-

Have you in Herb.
authentic specimens of Andropogon
saccharoides, Sw. Flor. Ind. occ. I. 205,
Griesb. Flor. Br. W. Ind. or authentic
specimens of what Griesb. refers
to that species? Griesbach cites
Arkansas, N. Mexico &c among
the habitats for the grass he
describes. Is Andropogon Jamesii
Torr. in Mearns' Report, (glaucom in
Ann. Lye. N.Y. vol. I. p. 153), the same
as A. saccharoides, Sw.? - What
~~is the~~ authority is there for
referring A. Jamesii Torr. to A.
Torreyanus, Steud.? If Steudel's plant
is the same, Torrey's name was pub-

lished first. Is A. argenteus,
D.C., & H.B.K. and also of Kth. En.
Pl. the same as A. Jamesii, Torr?
I have access to no specimens
to enable me to study out
the above points - which is
my apology for writing you -
If you can without too much
trouble advise me in regard
to the above queries, you
will greatly oblige me by
doing so -

Yours very respectfully
F. Lamson Scribner.

Girard College. Phil^a. Pa.
Feb. 21-82 -

Dear Sir:-

Thanks for your favor of
the 20th inst. and the "bits" of *A.*
saccharoides, &c.

There is in Herb. Acad. Phil^a. a fragment
(the panicle and leafless portion of the
culm) ex Herb. Schw. and coll. on the
Canadian River, which I presume is from
the original lot of specimens from
which Dr. Torrey made his Andr. glaucus
- changed to Jamesii in Macey's Rept.
I have the same thing from Texas
(Parrish on rocks), Colorado (Brandegee) Arizona
(Pringle). - Brandegee's specimens were
called *A. argentius*. Ell. in "Flora of Colorado",
by Rollé. - Andr. Jamesii, Torr. was dis-
tributed by E. Dull. - ~~No 85~~ No 845 - under
Stindler's name, A. Torreyanus - Curtis
gives the same name in his sets
of "N. Am. Plants."

Dr. Torrey in Pac. R. R. Rep. vol. II. (I & II)
enumerates "*A. Torreyanum* Steud." and
A. Jamesii" as though they were
two distinct species. In vol. IV he
unites the two. In Emory's Report he
mentions *A. argenteus*, DC. & from the
remark upon its appearance one might
infer that it was *A. Jamesii* or a
species of similar habit. The Andro-
pogon, No. 651 Hall and Harbour coll. 1862,
labeled "*A. ~~plumosus~~ argenteus* DC. non Ell." is a
species allied to *A. furcatus* - it is
surely not *A. argenteus*, DC. as described
in Kunth, ⁱⁿ Steud. - The description of
A. saccharoides, Sw. as given in Griseb.
Flor. Bor. W. Ind. would seem to include
our *A. Jamesii*. Kunth states in En. Pl.
that Sw. unites *A. argenteus* DC. with
A. saccharoides Sw. Among the habi-

lets given by Griesb. for *A. saccharoides* in Arkansas M. Mexico.

I have examined many plants of the *A. Jamesii*, from Texas (!Reverchon sent large quantities) and reexamined very closely the spikelets in connection with those of *A. saccharoides* you sent, and I have come to feel quite certain that they are of the same species — if there are no other differences than appear from the material in hand, I am sure they are the same. I find more differences among my specimens from Texas & Colorado than between the general run of these and of those bits of *A. saccharoides*. ~~Thus~~ I am greatly obliged to you for your prompt reply to mine of the 17th.

Yours very truly,
 F. L. Anderson

To S. Watson
 Cambridge Mass.

Harvard College. Phil^a. Pa.

4-12-1882

My dear Sir:-

Thanks for your prompt reply to my
queries and for the spikelets of "Pappophorum
alopecuroides". These exactly correspond with
those of a specimen in Herb. Acad. Phil^a,
without name, from St. Thomas W. I., coll.
by Read - and of course, differ in the same
points from Pringle's specimens. I believe that
Read's and Egger's specimens are P. alopecuroides
of Flor. Br. W. Ind., with which Grisebach
unites P. laguroides & macrostachyum Nees.
Pringle's specimens have the same inflorescence
color, number of petals to the flowering glumes
etc. but are much more slender with shorter
leaves. and in the spikelets (of which I en-
close a few) there are more important dif-
ferences. It is certainly a distinct species.
It may be the same as #1360, or #1362, of Palmer's

2
but I have no specimens of either for comparison. I would be very glad to have even a few spikelets of these nos. of Palmer's. In Herbr. Phil^a. Acad. There is a specimen like Pringle's, ticketed by Buckley "Pappophorum (Polyplophus) raginatum, Buckley"; with this is a ticket (in E. Durand's writing?) "No. 803 G. Wright - Texas." and "No. 722 Lindheimer". The specimen is from the Durand Herbr.

As to the "P. boreale, Griseb.", the description of P. nigricans, R.Br. (Flor. Austr. VII. p. 600), is certainly comprehensive enough to include #947 Pr.P. coll. 1872, & #1361 E. Palmer's coll. 1880. P. pallidum, purpurascens, gracile, R.Br. are united with nigricans in Flor. Austr.

I enclose a few spikelets of what I made out Cottrea Pappophoroides, coll. by Pringle, Dec. 7. near Tucson. - Have you specimens of this grass. - It was coll. on the Mex. Bound. Survey, I think. -

I send a figure of a grass new

to me, coll. at Santa Cruz Valley, by Pringle. He found only one specimen. The figure represents about 1/4 the plant, natural size. I send a bit of it to Dr. Vasey. He did not know it - thought it a Trinervium. I think it a species of Diplocladum, nearly related to D. fasciculatum. - What is it?

Yours Very truly,
W. L. Duran Deidner.

To Prof. Deane Watson,
Cambridge, Mass.

A. Gray - will you please let me know your decision concerning it. I enclose a few sketches of spikelets from specimens of *P. capillare*, which I must ask you to return.

I must thank you for your paper entitled "Contributions to American Botany," received some time since. Do you intend carrying the work through the Gramineae?

Yours very truly,
F. L. Scribner.

Livard College. Phil^a. Pa.
Oct. 17. 82

Prof. Sereno Watson.

Dear Sir:-

Following Dr. Benthams revision of the Ord. Gramineae, I am at a loss where to place *Calamagrostis brevipilis* & *C. longifolia*. Can you give me any light on the subject? They do not belong to *Dryensis*, as there is no prolongation of the rachilla, and for the same reason as well as from their habit - they are excluded from *Anemophila*. Dr. B. speaks of four species of *Anemophila*, two of which are confined to North Am. I at first thought that the "two confined to North America" were the two species above named, but I

am in doubt about it, as there are no special characters given. What do you say, do they belong to *Amnophila* or are they genuine species of *Calamagrostis*? I can scarcely think they are the latter, more from the nature-texture of the spikelets than from any other reason.

My friend, Dr. Gattlinger, of Tenn. who has been puzzling himself over the forms of *Panicum capillare* he has met in his neighborhood, writes that he has sent Dr. Gray some of these forms, one of which he calls var. "agreste" & another "campestre", and another still, which he thinks a n. sp. and names it *P. flexile*. He has pointed out the characters of these several forms & evidently has spent some thought upon the subject, but if he has laid out to

classify the forms of *P. capillare* he has quite a task before him, to say the least, especially when he extends his observations beyond the plants of his immediate vicinity, & have this grass from many parts of the country and its habit ^{as} "various ~~as the number of~~ specimens - Dr. G. sent me all his forms ~~under these~~ specimens - Dr. G. sent me all his forms last year and I referred them all to *capillare* even his "flexile", which appears the most distinct of any. This grass occurs in Ital. Phil. Acad. under several names, as *P. capillare* "*P. discolor*" "*Trichodium angustifolium* Lag." - in nearly ^{the same} kind - writing. - It certainly is not *P. capillare*, Lam. nor *P. discolor*, Sw. - nor is it *P. angustifol.* Will. Following out Dr. G.'s plan this night - he made var. *flexile* of *P. capillare*. If you compare it with specimens in Herb.

Tracings of drawings by F. L. Scribner - Oct. 1862.



n.25 from Gattinger, Oct. 1861
Panicum capillare, L.

n.24 from Gattinger
Oct. 1861
Panicum capillare, L.



n.17 from Gattinger
Oct. 1861

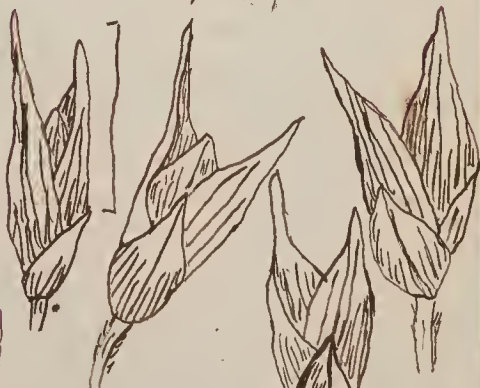
Panicum capillare, L.
var. *minus*



P. capillare, L.
Kendall College grounds
Sept. 1875.



n.23 Gattinger
"*Panicum flexile*."



P. capillare, L.
var. *minimum*
Engelm.
H. Eggert, St. Louis.

Girard College
Phil^a.

10 - 17 - 82

My dear Sir:-

The specimens in Herb. Acad Phil^a, referred to in my letter of this date, were ticketed by Swain^{ly} & not Swart^{ly}.

In regard to the forms of P. capillare I will say further, that they may, with some reason, be divided into two, and, if Mr. Gattinger's "flexile" be included, into three groups or varieties, as follows:

P. capillare, L.

a) vulgare - the common form, with rather stout, erect simple culms, with a single panicle often very large, panicle.

b) geniculatum, culm usually prostrate or ascending, geniculate and much branched, with numerous oblong or ovate, widely branched panicles spikelets more numerous than in var. a. (This corresponds to var. geniculatum of P. proliferum).

? 2) flexile - characterized by Dr. Gattinger - "Panicle virgately elongated, never becoming detached from the culm, branches

spreading, often divaricate, but
never reflexed; spikelets in-
variably spindle-shaped.

Vars. a. & b. of course, include
many forms ~~which~~ gradually pass
from one to the other, and they are
only distinguished by general habit
of the plant. As to the var. A., it cer-
tainly seems well marked - its slender
habit, smooth leaves more or less elonga-
ted ~~and~~ rather narrow ~~pass~~ and few
flowered panicle are all noticeable. It
strikes me as a form intermediate be-
tween *P. capillare* & *P. autumnale*. I
await with interest to know your
decision on the matter. —

Yours very truly —

J. Edmon Scribner.

To Prof. Lewis Watson
Cambridge. Mass.

Swind College - Phil^a. Pa. Oct. 30
1862

My dear Sir:

Three or four years ago I received from Lando, Texas, two grasses, which I studied carefully and sought but without success, to fit them into some of the genera enumerated by Kunth and by Steudel. Finally I sent them to Dr. Vasey, who wrote that they had both species in the Herbarium of the department - apparently from cultivation - one ticketed "*Leptochloris latifolia*", the other "*Chloropsis Blanchardiana*" ^{J. Pringle}. But he could give me no further information concerning them, nor could I get any light among the Academy's specimens or books. Last season Mr. Pringle sent specimens

collected in Arizona, of the grass I had been told was "*Chloropsis*", (It was a slip of the pen probably that made *Chloridiopsis* into *Chloropsis*), and I so named them in his distribution.

The first light ^{I had} upon the subject of these names was by letter from Dr. Vasey, in which he quoted the remarks of Dr. Benthams under *Trichloris* fourm. I am disposed to think Fournier's *Trichloris fasciculata* is the grass which has been called *Chloridiopsis Blanchardiana* - The *Leptochloris* differs somewhat - in habit, the floral axis is more elongated, and although the spikes have a similar appearance, the spikelets are quite different, being composed of several perfect flowers with the lateral awns of the flowering glumes very much reduced in length. The spikelets of *Chlo-*

idiopsis remind one of Chloris, while those of the "Leptochloris" have some resemblance to Leptochloa. You probably have this grass in your herb. and can perhaps tell me more about it:-

If the grass I have called "Poa Kingii", S. Wats., is the one you so named, I regard it - a perfectly good species - I have it from two western localities.

Have you the types of Fockermann's species of Agrostis?

Yours very truly,
F. Lamson Scribner -

To Prof. S. Watson -

Cambridge -

Mass -

1883

Girard College - Phila. Pa. Dec. 3.

Prof. Sereno Watson -

My dear Sir:-

I wish to thank you for your very valuable "Contribution to American Botany," recently received - I refer to your "List of Plants from Northwestern Texas etc." - I am, of course, especially interested in this part because of your full account of the grasses in the Schaffner & Palmer collections.

I have in hand the following nos. of Pann. or P. & P. that appear to be omitted in your list. Have you names for them?

- P. = #1372 - ^{Bromus ciliatus} Panicum leucophaeum, HBK.
- P. = 1363 "Setaria setosa, P.B." = S. ciliatissima, R. & S.
- 958 Panicum maximum, Jacq. = P. bulbosum
- 1152 Eragrostis pilosa var. minor of Vasey's Catalogue.
- 921 Sporobolus - ^{B. ciliatissima} - given to you by Schaffner & Palmer
- 940
- 969 - ^{B. ciliatissima} - given to you by Schaffner & Palmer
- 919

159 P. & P. = ^{B. ciliatissima} - given to you by Schaffner & Palmer

- 954 "Muhlenbergia rigida, Trin."
 - 1153 "spills, from" (V)
 - 959 Urachne. "the rest know"
 - 1157 Panicum "non capitulum"
 - 928 "Muhlenbergia" 920

The No. 1338 seems to be a common plant in Texas - I have it from several sources - the last, coll. by Dr. Howard and com. by Dr. Vasey, but nom. "*Panicum Hallii*, Vasey."

I do not understand why 1363 & 957 are referred to *Setaria unisetā*. If rightly named, what is the grass from Reunion which has been called *S. unisetā*?

Have you an authentic sample of *Setaria setosa*?

Is *Andropogon laevis* ^{DC.} distinct from *A. argenteus* ^{DC.}? *Andropogon Saccharoides* Sw. includes { *A. argenteus* ^{DC.}
A. glaucus ^{DC.}
A. Torreyanus Steud.
A. Janusii Torr.
A. glaucus Torr.

according to Hackel, who has compared our western species with the typical specimens in Swartz Herbarium.

I collected about 90 species of grasses in Montana the past season, some of them of much interest and two or three probably new species -
 Some very truly -
S. laevis *Andropogon*

Girard College - Phila. Pa.

Feb. 2. 1884 -

Prof. Sereno Watson -

My dear Sir:-

Thanks for your interesting favor of the 1st, just at hand.

Prof. Hackel, in a letter dated Nov. 27th '83. writes "As to Pringle's *Andropogon saccharoides*, I can assure you that it is not *A. laguroides*, DC. This latter is not a well defined species, but only a var. of *A. saccharoides* with hairs of the rachis 2-3 times the length of the fertile spikelet - so as to immerse the latter into the wool of the rachis & make them almost invisible outwardly. DeCandolle and Kunth distinguished *A. laguroides* from *A. argenteus* (*saccharoides* Sw. forma major) chiefly by its nodes of the culm not bearded, while they are bearded in *A. argenteus*; & Pringle's specimens having the nodes

glabrous, Mr. Watson may have on that account determined it - as *A. laguroides*. But in the numerous specimens I examined of both varieties I found this character very inconstant; there are specimens with the spikelets of *A. saccharoides* and glabrous nodes, and such with spikelets of laguroides and bearded ones. Fournier believes that the nodes of *A. laguroides* become glabrous only by the falling off of the hairs in later time; and the same may occur sometimes with *A. saccharoides*. You may therefore maintain your determination of the plant, and even call it - *A. sacch. genuinus subv. glabrinodis*!"

I send you a specimen of what I have understood was *Setaria unisetā* (*Panicum unisetum*, Trin.) I can give no authority for this determination but the specimens certainly represent a good species - quite distinct from any other *Setaria* that I know.

No. 651 H & H coll. 1862. ticketed
Andropogon argenteus DC. (*A. Jamesii* &
A. glaucus Torr.) is, I believe, and
 undescribed species allied to
And. furcatus. This may be the
 grass referred to by Dr. Torrey in
 Pac. R.R. Rept. IV. when he says
 "Pedicels of the sterile spikelets
 clothed with longer and whiter hairs
 than in the eastern plant:-" Ward
 collected a shorter leaved form
 of the same near Glendive, ^{Montana}
 last summer - Presuming this
 to be the grass referred to by Dr.
 Torrey - perhaps you can determine
 the matter as you have his specimens
 in hand - I would like to name
 it - *A. Torreyi* - I am going to send
 my doubtfully determined *Andropogon*
 to Prof. Hackel, then we may see
 what he has to say upon this
 & some other critical species. There
 is another form(?) of *Andropogon*

furcatus that I have from N. Mex.
coll. by Brandegee. It is more
like our Eastern plant than Halls
or Vasey's specimens, but still presents
some important differences -

Is *Eragrostis minor*, ~~Hort.~~ the
name that should be adopted for
E. poaeoides, A.B. ? + *E. major* for
E. poae. var. megastachya? Are they
two good species? I can hardly
think so -

A year ago or more Prof. Porter
sent me a grass that he had coll.
in the Uinta Mts., U.T., which he
proposed to name - *Oryzopsis Canadensis*
var. longiaristata - Recently I had
the same, coll. by Suksdorff in U.T.,
from Dr. Vasey, ticketed "*O. exigua*
Nunbr !!" Last summer Mr. Canby
collected the same species on McDonald's
Peak, Missouri Range, Rocky Mts. M.T.
Comparing the plant with Dr. Munro's
description of *Oryzopsis exigua* ^{they're} it

seemed to agree in habit very well but in some points ~~they~~ did not - so well accord - Dr. Vasey seemed so positive that this was Thurber's species ^(O. exigua) that I did not further question it - I showed the grass to Dr. Thurber & he said it "looked like *O. exigua*" - but we had no time for comparison. In a recent letter from Dr. Vasey he writes that you named this grass "*O. Oreformis*, Thurber". Please let me know upon what authority you give the grass this name - Have you the true *O. exigua*?

A set of the grasses collected by myself in Montana will soon be sent to you - Some of them I shall defer naming until they can be compared with specimens that you may have in your Herbarium -

Yours very truly,
J. Lamson Scribner.

I am greatly obliged to
you for so kindly looking up
the points relative to the
R. & P. coll. etc - & for the
epitomes of Setaria. H.H.

Girard College. Phila. Pa.

Mar. 28. 1884.

Prof. Sereno Watson -

My dear Sir: -

My article on New
Grasses, in the Jan'y Bulletin
was written early last Spring a
year ago, and was then sent
to the editor, Mr. Sprad, & why
it did not appear until
this year, Jan'y - I do not ^{know} - I
had given up all thoughts in
regard to it. I did not
see your "Contributions" until
my return from the West.
I regret very much that I
did not then at once
write to Mr. Sprad & have
him return my mss. I
should be glad to see a
note from you in the Bulletin
relating to the matter. I sent

Figs. along with the Mo. to the Bulletin
but - They were not published - I en-
close figs. to you for examination
& call attention to the differences
that appear between *B. pusilla* &
#1358 E. Palmer. The latter is
allied to *B. oligostachya* -

I shall be very glad to re-
ceive any notes from you
in regard to the doubtfully
determined or unidentified grasses
in my Montana Collection.

I wish to reproduce in an
American work, the figures of *Sche-*
donardus Texanus, *Munroa squarrosa* &
Dissantheleum Californicum, published
in Vol. XIV. Hooker's Icones. - I will
pay for careful pencil tracings
of these figures; or, if you will be
so kind as to loan me the book
for two or three days, I will make
the tracings & return it - promptly
to you - Please remember me
to Dr. Gray -

Yours very truly -
A. L. Scribn.

Girard College.

Phila. Pa. Apr. 2. 1884

Prof. Soren Watson -

My dear Sir:-

Thanks for your favor
of Mar. 31, - for the enclosed spells
of *Bouteloua* and for the loan
of the book (Hook. &c.).

I will write a note to the
Bulletin relative to the publication
of *Bouteloua* -

I cannot agree with you
in thinking that my nos. 430 &
439 should go together. 430 is
a good *Horden*, & is the
nearest approach we have to
the *Horden sylvaticum*, Huds.,
& (*Elymus Europaeus*, L.) - near enough
to be regarded the same species.
439, & at first thought, also

from the position of the glumes,
was an Elymus - but there is
only one spikelet - at each
joint of the rachis, yet - by
division these spikelets, ^{often} have
3 ^{empty} glumes. This grass is very
distinct from Elymus Condensatus
var. triticoides, of which I have
numerous specimens.

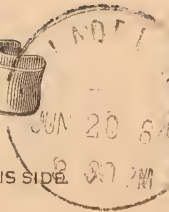
Yours very truly -
W. Lawson Scribner.

I will communicate your notes to
Mr. Canby. —

Phila - June 20. 84 -

My dear Sir:-

Should you be so kind as to
loan me your *Hibaria*, ~~And~~ I
will be greatly obliged if, in the same
package, you will inclose whatever
you may have under *Trisetum elonga-*
tum, *Tolluence*, HBK. & *interruptum*^{Buck}
There are some points relative to this (There?)
species that I wish to settle if possible.
Dr. Vasey & I can't agree on them -
Yours truly - J. D. Siskin.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE

Prof. Sereno Watson -
Cambridge -
Mass -

Botanic Gardens)

Hirard College. Phila. Pa. July 11. '84.

Prof. Serris Watson -

My dear Sir:-

Your favor of the 9th and the specimens are in hand. I am greatly obliged to you for responding so promptly, upon your return, to my request. The Mexican samples of *Helicaria* will modify my views respecting our specimens from Texas. I was about to go ahead with what I had to say of this genus without seeing your specimens, but now I am very glad that I waited. Too much has been published, especially on grasses, upon insufficient material.

I have *Stelopus punctatus* (*Eriochloa polystachya*) from numerous localities. Lemon's grass is decidedly different from any of these in inflorescence and in having the flowering glume nearly or quite awless - it is tipped with a few hairs like the figure in Trin. Journ. of *E. grandiflora*. I must see more specimens before offering any further opinion respecting Lemon's grass.

Trisetum interruptum Buckley, has been referred to *T. elongatum*, H.B.K., but upon what authority I do not know. Dr. Vasey very kindly sent me a few spikelets of what he has under "*Trisetum tomentosum*", from Peru. If these be spikelets of the genuine *T. tomentosum* our Texan grass is a widely distinct species.

That approaches *P. subspicatum*, while
our grass is allied to *P. flavescens*, or
more nearly to *P. montanum*, Vasey. *P.*
elongatum is described as having simple
culms and as being so near *P.*
tolucae as to be perhaps only a
"variety" of it. - Under these circumstances
I am disposed to regard Buckley's
species as good one.

Yours, very truly,

A. L. Samsom Scribner.

I expect to go to Maine about the
5th of August, & hope to spend a
day or two in Cambridge in my way.
Shall I hold the *Helianthus* until
that time, or do you wish them returned
at an earlier date?

A. L. S.

July 30 - 84

Sinard College - Phila. Pa.

Prof. Scudder Watson

My dear Sir:

I have been obliged to change my plans somewhat - & shall go right through to my home in Maine. In consequence of this change, I send you by express the plants you were so kind as to loan me - By an oversight - I omitted to put into the package the specimens of *Trisetum* - These I will return to you by my own hand the second of Sept. - unless you demand them before. I leave here for Maine August 1st -

Yours very truly -

J. Lawson Scribner.

Sent by mail
Feb. 3^d 1885

Harvard College, Phila. Pa.

Feb. 3^d 1885

Prof. S. Wilson,

My dear Sir:-

I am attempting to re-
vise our N. Am. species of Medicag
& have at hand for the purpose
the collections of the Phila Acad., Dr.
Torrey, Mr. Lemby besides my own, and
still there are certain points that
these will not avail me in
settling. Will you kindly loan
me the North American including
Mexico, species of your herbarium?
I will return them within
two weeks.

Yours very truly

A. L. Scribner.

~~At the same time~~ At the same time I will return
you Index to N. Am. Gram.

Girard College. Phila. Pa.
Feb. 4. 1885

Prof. S. Watson

My dear Sir:-

Will you please oblige
me by sending me an Mss. copy of
Geyer's description of Melica
bulbosa in Hooker's Journ. Bot.
8. 19. with date of same. I have
not access to this work. I wish
to determine, if possible, exactly
the plant referred to by Geyer.
Perhaps you have type specimens.
These would settle the point at once.

Melica poaeoides, Nutt. = M. imperfecta, Trin.

" " Bolander = M. brownoides, Gray

{ This includes nos. 40, 6119 & 6120
of Bolander's sets.

Melica poaeoides, Torr. in Pacific R.R. Rept. IV.
187. I have types of this in hand.

It is said to be the same as
M. bulbosa, Geyer, but I am
not so sure of it. If it be
the same why should Geyer's
name take precedence? over.

In the Torrey Herbarium, on a sheet
of Melica nutica,^{is} a little "pocket"
upon which is written "Melica glabra
Mich. ex herb. Michx." in this pocket
are a few spikelets of Koeleria cristata.
I 'want Michaux' work at hand
but without further confirmation I
scarcely like to assert that
M. glabra, Mich. = Koeleria cristata.

Yours very truly

F. Lawson Scribner.

Some little time ago I sent Dr. Gray a plate
illustrating Lepturus Bolander, Turb. Now
this grass differs from the genus Lepturus
as characterised by Bentham in its awned
flowering glume, in the ring of hairs
surrounding the base of this glume and
in the hairy pedicel or prolongation of
the rachilla behind the palea. It often
occurs, also, that there are a pair of spikelets
at each joint of the main rachis - the one
sessile the other pedicellate. Now, do you
think these characters combined, are sufficient
to warrant the founding of a new genus?
I would be glad to know Dr. Gray's opinion also.

F. L. S.

Girard College. Philadelphia
Feb. 11. 85

Prof. Sereno Watson

My dear Sir:-

Thanks for your
communication of the 6th
Geyer's specimens at once
fix the identity of his
M. bulbosa -

The package was
rec'd the 6th I am
greatly obliged for the
loan of the specimens &
will return them in good
season -

Yours very truly -
F. Lamson Scribn.

Mycological Section.—Designed to furnish information respecting the DISEASES of field and garden crops caused by the attacks of parasitic fungi. In sending samples of diseased plants for investigation state when the disease was first noticed, whether abundant or not and to what extent it is injurious, also facts relative to the nature of the soil, kind of fertilizers used and system of culture pursued. If the diseased portion be the leaves these had best be dried under light pressure between the folds of a newspaper or in a book previous to sending. Grains and the stems of plants (only a fragment of the diseased part) may be rolled in paper and enclosed in an envelope. Tubers and fleshy roots should be made as dry as possible and sent wrapped in paper. Vegetables in partial decay may be packed in saw-dust and forwarded by mail or express, prepaid.

UNITED STATES DEPARTMENT OF AGRICULTURE,

DIVISION OF BOTANY,

WASHINGTON, D. C., *March 2*, 1886.

Mr. Lorenzo Watson.

My dear Sir:—

I send you by mail samples of what I know are "*Poa tenuifolia*, Nutt." and "*Poa Andina*, Nutt." The spikelets you sent me of "*Sclerochloa Californica*, Munro" are surely those of *Poa tenuifolia* and not of *P. Andina*, as Durbin has it in your Botany of Calif. Dr. ^(Thurber) attempts to correct the "confusion" that seems to have arisen respecting the original plant named by Munro, but was he not himself wrong in the matter?

Who is to stand as author of *Poa tenuifolia*, Nuttall or Buckley? We can refer to the publication of the latter, but we would look in vain for *P. tenuifolia*, Nutt.

Yours very truly

L. Sanson, Curator

Washington D.C. Mar. 5th '86

My dear Sir:-

Thanks for your favor of 4th. The specimen I sent ticketed "*Poa Andina*, Nutt." is nearly typical, as per specimens in Herb. Phila. Acad., with which it has been compared. The other sheet, ⁽¹⁸⁶²⁾ contains forms of *Poa tenuifolia*, Buckl. (*Sclerochloa* ⁽¹⁸³⁹⁾ *californica*, Munro in Pl. Hartw., without description, *Oryzopsis tenuifolia*, Thurb. in J. Nat. Bot. Calif II. 310.) as I now understand that grass. The specimens most remote from the type (in Herb. Phila. Acad.) are the smaller and more slender ones from Oregon, which are somewhat geniculate at the base and have a loosely flowered and slightly spreading panicle. The type is represented by the low "brush-land form" in my Montana collection.

There is another question I wish to ask. Have we any authority for citing Benthams as author of *Oryzopsis cuspidata*?

Mr. Bentham reduced Nuttall's *Eriocoma*
to *Oryzopsis*, but nowhere does he
make any specific reference. It seems
to me there is no authority for writing
Oryzopsis cuspidata, Benth. But it's quite
as likely that Bentham would have
adopted the earlier specific name
given by Pursh? I don't see why
Nuttall ~~should~~ changed the specific
name, even though he did make a
genus for the grass. Unless there are
some reasons or "rules" that I am
not aware of (if there be such, please
inform me) I shall publish the
grass in question under the name
Oryzopsis membranacea. (*Stipa membra-*
nea Pursh. ⁽¹⁸¹⁴⁾ *Eriocoma cuspidata* Nutt. 1818.)

Yours very truly,
J. Lamson Scribner.

Mycological Section.—Designed to furnish information respecting the DISEASES of field and garden crops caused by the attacks of parasitic fungi. In sending samples of diseased plants for investigation state when the disease was first noticed, whether abundant or not and to what extent it is injurious, also facts relative to the nature of the soil, kind of fertilizers used and system of culture pursued. If the diseased portion be the leaves these had best be dried under light pressure between the folds of a newspaper or in a book previous to sending. Grains and the stems of plants (only a fragment of the diseased part) may be rolled in paper and enclosed in an envelope. Tubers and fleshy roots should be made as dry as possible and sent wrapped in paper. Vegetables in partial decay may be packed in saw-dust and forwarded by mail or express, prepaid.

F. L. Scribner

UNITED STATES DEPARTMENT OF AGRICULTURE,

DIVISION OF BOTANY,

WASHINGTON, D. C., Mar. 10th, 1886.

Dr. Asa Gray,
Dear Sir:

I wish to thank you for your note of the 5th inst., and for your pamphlet on "Botanical Nomenclature". The latter coming from you with your appended notes is especially valuable to me.

The rule "never to make an author say ^{that which} ~~that~~ he does not say", appears to me to be the only safe course to pursue. Taking names by "implication" might place the author in a false or even ridiculous position. Oryzopsis cuspidata was first published in the Port. Bull. June 1883. I know of no earlier publication of the name.

Yours very truly,
F. Lawson Scribner.

Mycological Section.—Designed to furnish information respecting the DISEASES of field and garden crops caused by the attacks of parasitic fungi. In sending samples of diseased plants for investigation state when the disease was first noticed, whether abundant or not and to what extent it is injurious, also facts relative to the nature of the soil, kind of fertilizers used and system of culture pursued. If the diseased portion be the leaves these had best be dried under light pressure between the folds of a newspaper or in a book previous to sending. Grains and the stems of plants (only a fragment of the diseased part) may be rolled in paper and enclosed in an envelope. Tubers and fleshy roots should be made as dry as possible and sent wrapped in paper. Vegetables in partial decay may be packed in saw-dust and forwarded by mail or express, prepaid.

UNITED STATES DEPARTMENT OF AGRICULTURE,

DIVISION OF BOTANY,

WASHINGTON, D. C., March 10th 1886.

Mr. Sereno Watson,

My dear Sir:-

I have your kind favor of the 8th just in reply to my queries respecting nomenclature of species, &c. and I am greatly obliged to you for so fully answering the questions in print.

The name Piridea mutica, was first published, so far as I am aware, by myself in Port. Bull. x. p. 30, and it was for this reason that I labeled Pringle's specimens as I did. - I do not know of any earlier publication of the name Oxyopsis cuspidata, than that in Port. Bull. x. p. 63. (June 1883). Dr. Vasey's Catalogue was not issued until Sept. of the same year.

Yours very truly,

L. Lawson Scribner.

Mycological Section.--Designed to furnish information respecting the DISEASES of field and garden crops caused by the attacks of parasitic fungi. In sending samples of diseased plants for investigation state when the disease was first noticed, whether abundant or not and to what extent it is injurious, also facts relative to the nature of the soil, kind of fertilizers used and system of culture pursued. If the diseased portion be the leaves these had best be dried under light pressure between the folds of a newspaper or in a book previous to sending. Grains and the stems of plants (only a fragment of the diseased part) may be rolled in paper and enclosed in an envelope. Tubers and fleshy roots should be made as dry as possible and sent wrapped in paper. Vegetables in partial decay may be packed in saw-dust and forwarded by mail or express, prepaid.

U. S. Department of Agriculture,

DIVISION OF BOTANY,

Washington, D. C., May 24 1886

Mr. S. Watson -

Cambridge - Mass -

My dear Sir:-

Your postal of the 19th and the samples of grass are at hand. In the fold marked #2. is the *Phalaris Lemmonii*, Vasey - a species I am not prepared to admit, thinking it only one of the many forms of *Phalaris intermedia*. No profound study of this species has yet been made. In the same fold are two heads of *Koeleria cristata*, or what may prove to be a good variety of that species.

No. 1. Contains a *Poa* - a new species which I will name *P. flaccidifolia*. It is a true *Poa*, allied, I think, to *Poa arachnifera*. Can more specimens be had? -

Yours very truly -

J. Lamson Scribner.

To the Section of Vegetable Pathology are referred all questions relative to the diseases of fruits and fruit trees, grains and other useful plants, due to parasitic fungi, familiarly termed "rust," "smut," "mildew," "blight," "rot," etc.

Samples of the affected or diseased plants, or parts of plants should accompany all queries relative thereto.

UNITED STATES
Department of Agriculture,
DIVISION OF BOTANY,
SECTION OF VEGETABLE PATHOLOGY.

Washington, D. C., Dec 9th 1887.

My dear Prof. Watson

Will you kindly compare the enclosed grass with specimens of Muhlenbergia in your herbarium, and see if you can match it? I have an impression that you have something like it, but am not very sure. Nothing like it in our collections here.

I will be greatly obliged if you will do me this favor -

Yours truly

F. Lamson Scribner--

Among Quinley's grasses of 1887 there are 12 which may prove to be new species - He has 41 in all, -

Knoxville - Tenn. June 17. 89

My dear Prof Watson.

How progresses the work on the new Edition of the Manual? Have you reached the grasses yet? I have prepared, with a view to publication, Hackel's work on this order published in Engler & Prantl's "Die natür. Pflanzenfamilien" and have become quite familiar with his Keys of analysis of Genera. By some slight modifications & of course, omissions of foreign and out of range genera, they would, I think serve your purpose well. I hope you will adopt his classification of genera, it differs, especially in the ^{sequence} ~~arrangement~~ of the tribes, from that of B. & H.

I would like to see Dryenaria restored to Calamagrostis, & Calamovilfa separated as a genus. It (this sect. of Gray) is distinguished from Calamagrostis by its chartaceous glumes & from Ammophila by its loose inflorescence and from both these genera by its 1-nerved flowering glume.

Arna Smithii is certainly a Melica & probably distinct from the similar western species, though I have not carefully studied this point.

I have yet to divide my attention between

grasses & fungi but I make no attempt to study species of the latter. I am getting into position where I hope to renew to some useful extent my grass work. Hackel has sent me some advanced sheets of his Monograph of the Andropogoneae (which I presume is now published) His descriptions are minute in the extreme & I fear it will yet be some time before we can follow up his divisions into subspecies varieties and sub-varieties, forms, etc. He has, most fortunately, cited, where ever possible, numbered collections, including Burtiss', Pringle's, Palmer's, and ^{those of} other American collectors.

Hackel is now hard at work on the Paniceae & he expresses to me the hope that he will complete the genus *Panicum* in 4 years!

Please remember me kindly to Dr. Goodale,

Yours very sincerely
J. Lamson Scribner

106

82

1

20 *W*

65

57

41

30 *W*

10

9

Knoxville - Tenn.

Aug. 14, 1889

My dear Prof. Watson.

I have about completed arrangements with Henry Holt & Co. to publish ^{a translation of} Hackel's article on Gramineae in Engler & Prantl's Natural Pflanzen. - I procured electrotypes of the illustrations directly from Engelmann, the German publisher. Among these I find several that are taken from Gray's Manual. Now, what I want is permission to use these in the translation. Sometime ago I wrote to Dr. Juddale about this but he had then gone to Europe. Can you help me out in the matter?

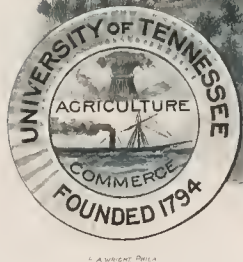
In my last to you I said that *Arna Smithii* should be referred to *Melica*. Since then I

have studied the question
carefully & would say that
for the present it better be
left where it is. It is not
a good Avena but it is
a worse Melica! Avena
striata lacks some important
characters of the genus & had
better have ^{been} held where Torrey
put it in Trisetum.

On Roan Mt., the other day,
I found Trisetum subspicatum, var.
molle, Gray & an abundance of
Glyceria elongata Trin. This extends
the range of these species somewhat.

Yours very truly,

J. L. Scribner.



University of Tennessee

Knoxville Jan'y 10. 90.

Dear Mr. Watson:-

I am greatly obliged to you for your kindness in securing for me proof sheets of Gramineae. They are of immediate use to me, and at the same time I am very glad to see them & to note the excellent way in the matter throughout is treated. I would make a little different arrangement of ^{the} genera, but that is unimportant. For me Beckmannia & Spartina belong to Chlorideae. - I do not think it has been noted anywhere that the spikelets of Cinna fall off entire; there is a distinct articulation below the empty glumes. I am glad you have disposed of "Pasp. Digitaria, Chapm". What is P. Digitaria Poir? Pasp. Elliottii Watson comes very near the Brazilian P. obtusifolium Raddi.

It was an error referring Andropogon maritimus to Cape May, for which I believe I am to blame. I have not seen And. laguroides D.C. from within our limits. Our plant is A. Torreyanus, Steud. (var. Torreyanus of A. saccharoides Sw. according to Huetzel). The A. laguroides, as I understand the ~~plant~~ species, is Mexican & So. American.

The leaves on the sterile culms of Hierochloa baccalis are very long indeed.

Aug 10, 1900

Do you happen to have the type of *Stipa Richardsonii* Link.? If the plant from L. Sup. and northern Maine is truly that species, then my Montana grass, distributed as "*S. Richardsonii*", is a distinct species. Macoun has called the latter var. major.

Agrostis canina var. *alpina* Cakes & *A. rupestris* Chapm. are in truth essentially *A. rubra* L. The true *A. rupestris* ~~trunk~~ All. does occur on the White Mts. I have specimens from Faxon which agree in all particulars with the European plant.

Trisetum subspicatum var. *molle* was found on the mountains of N. Cawl. by M. A. Curtis & I found it on Roan Mt. last summer.

The branches of the panicle in *Eatonia Dudleyi* (to me only a var. of *E. Pennsylv.*) are widely spreading during anthesis.

Glad to note the appearance in the Man. of *Poa nemoralis* L., of which we have many forms, particularly in the Rocky Mt. region. I have, from the "White Mts.", specimens which correspond to English specimens in my herb. that are ticketed "*P. caesia* Sm." If the latter be ^{the} ^{plant} true, I think it might be held as distinct from *P. nemoralis*.

I am rather disposed to question your *Glyceria grandis*. Why is it not *G. arundinacea* of Smith? I ask for information, as you understand; and so I would ask why *Puccinellia* supplants *Atropis*.

You will pardon these random notes, I am sure - They have been made while hurriedly glancing over the pages just rec'd. You must not take them in the sense of criticism.

Yours very truly
F. Lamson-Scribner



University of Tennessee

Knoxville Feb. 1. '90.

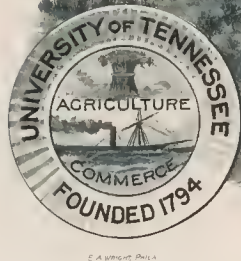
Dear Mr. Watson,

Thanks for your favor replying
to my queries relative to *Glyceria grandis*,
Puccinellia etc.

Friend Pringle has sent me
his grass-collection of last season & I
am laboring under much difficulty in
trying to name them for him. I am
unable to consult either Fournier's or Kunze's
works on Mexican Gramineae, and I do not
like to name the species which are new
to me, or even those which = species coll.
by E. Palmer in 1886, without consulting
them. In my distress I write you, as
a drowning man who catches at a
straw, asking the loan for a few
days, of either Fournier's Gram. Mex. or the

Feb 11/90
parts containing the Grasses of
Bot. Cent. Am. - During the last-
year I have tried to secure these
works for myself but was unsuccessful.
The last-mentioned I could not obtain
separate from the other botanical parts
and these I could not afford to purchase.
The other I would buy could I find it
for sale.

Do you propose to publish an enumeration
of Pringle's 1889 Collection? If so, I would
like much to join the grasses to your
list, providing I have facilities for
making up the ^{grass} list with any measure
of confidence. There are 48 or 50
species in the lot, ~~just recd from~~
~~Pringle~~ some probably new, quite a pro-
portion of them the same as already coll.
by Palmer. The Panicums I have sent to
Huckel who is now at work on that
genus. The favor I have herein asked
is too great for me to be offended if
you refuse to grant it. Yours very truly,
F. Lamson Scribner.



University of Tennessee

Knoxville Feby - 7. 90.

Dear Mr. Watson.

You certainly did just right in not committing the books to a journey here. I hardly expected you would send them yet the chance that you might led me to make the request. I would gladly have paid all express charges for a sight of them at this time.

What shall I do? Blunder ahead and name ~~for~~ such of Pringle's grasses as I do not recognize and thus possibly add to the legion of synonyms, or let them go by number and leave to others the discovery and publication of the new species among them? Or, shall I turn over to you the species I cannot make out to learn if you have the same under any name or number in ^{your} herbarium? You might thus save me from committing blunders subjecting me to execration by

future botanists. I will briefly run them over
that you may note the extent of the list.

- ↓ 2610. *Tripsacum angustifolium* n.sp. = *T. lanceolatum*, Ruffr.
- 2611. *Tripsacum lanceolatum* Ruffr. ? = 509 E. Palmer 1886.
- 2623. *Tripsacum fasciculatum* Trin. = 508 E. Palmer 1886.
- 2619. *Erianthus Trinii* Hack. var. *glabrinodis* Hack.
- 2466. *Andropogon nutans*, var. *incompletus* Hack. = 590 E. Palmer 1886.
- 2320. *Andropogon fastigiatus* Sw. = 588 E. Palmer 1886.
- ↓ 2670. *Andropogon hirtifolius* Presl. or *hirtellus*, Hook.
- ↓ 2615. *Brudinella Cubensis* Griseb. = 1552 C. Wright. Distinct from No. 1746
Pringle. 1888 which is *A. Brasilensis* fide Trin. Icon. p. 266.
- ↓ 2359. *Paspalum Pittieri*, Hack (sent to Hackel.) Cf. 12 Palmer, 1886 = a. Palmer's, varying
- ↓ 2576. " *viduum*, Trin (" " ")
- 2317. *Eriochloa Lemmonii* V. & S.
- 2363. *Panicum Indianum*, L. (sent to Hackel.)
- 2618. *Panicum brevifolium*, L. (" " ")
- ↓ 2620. *Panicum filiforme* L. (" " ")
- 2423. *Panicum Pringlei* Vasey ined. (sent to Hackel.) = *P. Semidecanum*, Hack.
- ? ↓ 2477. *Panicum subspicatum* Vasey (" " ")
- 2331. *Chaetium bromoides* (Presl)
- ? ↓ 2608. *Pennisetum Mexicanum* Kunth. ? apparently same as [677] 514 E. Palmer. 1886.
- ? ↓ 2375. *Aristida* n.sp. ?
- ↓ 2622. *Aristida* sp. cf. = 520 E. Palmer. 1886. "A. acuta, many-n.sp."
- ? ↓ 2346. *Muhlenbergia distichophylla* ? Kunth
- ↓ 2350. *Muhlenbergia* — ?
- ↓ 2354. *Muhlenbergia* — ?
- ↓ 2355. *Muhlenbergia dumosa*, Scribn.
- ↓ 2782. *Muhlenbergia flavida* Vasey.
- 2362. *Muhlenbergia grandis* Vasey.
- ↓ 2781. *Muhlenbergia monnifolia*, Hackel
- ↓ 2365. *Muhlenbergia longepedunculata*, Vasey
- ↓ 2366. *Muhlenbergia nebulosa* n.sp.
- ↓ 2616. *Muhlenbergia* — ?
- 2470. *Lycurus* = 680 Botteri. Munro named this *L. phalaroides* afterwards
regarded it - a n.sp. Vasey named it *Muhlenbergia lycuroides*. It is
a *Lycurus*.
- ↓ 2447. *Sporobolus* — ?
- ↓ 2621. *Sporobolus* — ?
- ↓ 2520. *Sporobolus Buckleyi* Vasey (from Texan specimens).
- ↓ 2360. [*Epicampes* (or an awless state of *Muhlenbergia distichophylla*.)
- ↓ 2356. Apparently — a form of 2360.
- ↓ 2321. *Epicampes nutica* Torr. ? = (?) 578 E. Palmer. 1886.
- ↓ 2327. *Eragrostis* ?
- ↓ 2613. *Trisetum elongatum* HBK. (T. Hallii Scribn.) = *T. mutans*, Scribn., Muhl.
- ↓ 2405. *Chloris cucullata* Bosc.

- J 2512. *Trichloris pluriflora* Fourn. ?
 J 2559. *Bouteloua Fournieriana* Vasey = 200 E. Palmer. 1886. = *Pseudarraphis glauca*
 J 2547. *Bouteloua Humboldtiana* = 115 E. Palmer 1886 = *Bromoides*, Fourn.
 J 2609. *Bouteloua Bromoides* ! = 188 E. Palmer 1886.
 J 2614. *Dactyloctenium Aegyptiacum* Jac. = 378 E. Palmer.
 J 2311. *Eragrostis* [^{not} *Bahiensis* Schult.] = 240 E. Palmer
 J 2327 *Eragrostis* n. sp. not an *Eragrostis*?
 J 2430 *Eragrostis Purshii* Schrad.
 J 2624. *Eragrostis* ^{Pringlei} n. sp. ?
 J 2617 *Eragrostis limbata* Fourn. = 234 E. Palmer. (E. *Mexicana*, Vasey)
 J 2607 *Bromus* ——— ? entirely new to me. Common name a *Bromus*
 J 2525 *Brachypodium* Pringlei, n. sp. " " " and I find
 no Mexican species described. Do Hensley or Fournier
 include any *Brachypodium* in their lists?

Pringle did well to get so many grasses and especially to have among them so many new to recent collections.

What *Tripsicurus* do Fournier & Hensley enumerate?
 Could you have copied for me, ^{at moderate expense,} that which these
 authors have to say of Mexican *Muhlenbergias*?
 Will you kindly direct me how I may procure a copy
 of Fournier's work, & its probable cost. The other I
 know I cannot get except I should be able
 to procure the parts relating to the *Gramineae*
 separately.

Yours very truly

J. Dawson Scribner

The translation of Hackel's "*Gramineae*" is now all in type excepting the index.

Feb 97/90

1.
Andropogon saccharoides Sw.

=? { = *A. argenteus*, DC. (non Ell.) Torr. in Smoot's
Rept. 1848.
= *A. glaucus* & *Jamesii*, Torr.
= *A. Torreyanus*, Steud.
= *Trachypogon argenteus*, Nees ab Esenb.

The type of Torrey's *And. glaucum*
is in Herb. Phil Acad. I have
the same thing in quantity from Revere
& others, but I have no specimens at command
to verify the above synonymy Is it correct?
over

2
If the grass is *Andropogon argenteus* DC.

We would write

Andropogon saccharoides, Sw. (1797)

= *A. argenteus*, DC. (teste Ns.)

= *A. glaucus* Torr. (non Muhl.) 1824.)

= *A. Jamesii*, Torr. (1852)

= *A. Torreyanus*, Steud. (1854)

P.S.

Sometimes I shall have, after
consulting your Memoir,
(which by wicked Bookellers
has not yet sent me)
to ask you how you
disturb yourself the naturalist

2 aboriginal stocks of
same species. —

Knoxville, Tenn. Feby. 16. 1890.

Dear Mr. Watson,

I am greatly obliged to you for your kind favor of the 11th inst. I have written for Fournier's work and expect I'll get it this time. Before I tried to procure it from the French Minister of ^{Public} Instruction. Can you, without going to too much trouble, ascertain what it will cost to have a type-written copy made of the "Gramineae" in Hemsley's work. If the expense is not too great I will have it done.

Pringle writes me that his 1610, which
I thought to name *Tripsacum*
angustifolium, is represented only
by the specimens he sent to me.
The extreme length and attenuation
of the leaves may come from dis-
ease caused by insects, signs
of insect work being visible at
various points on culm & lvs.

The *Brachypodium* cannot be
referred to the species you
mention. I thank you for the
full notes you gave in your
letter of the known ^{Mexican} species.

I agree with you in regard
to naming new(?) species. I
have many grasses in my

herbarium which I think represent unpublished
species, yet I cannot feel sure about them.
and am unable to avail myself of all the
facilities to be had in this country. There would
yet be a question of uncertainty. I would like to
spend a year studying the grasses in our
leading herbaria and then go to Europe and
examine the types ^{only} to be found in herbaria there.
Some one must do this before ^{any many of} our grasses can
be identified with a satisfactory degree of cer-
tainty.
Yours very truly,
F. Lamore Seiden.

Feb. 22. 90

Dear Mr. Watson:-

I am going to avail myself of your kind offer to compare some of Pringle's grasses with those in your herbarium. I have sent nearly all the species and any notes or observations which you may append to the sheets will be highly valued. Examples of the *Panicum* & *Paspalum* I have sent to Prof. Hackel & I now expect to hear from him.

The species which I desire especially to note are

- ✓ 2610 *Tripsacum*
- ✓ 2363 *Panicum*
- ✓ 2423 "*Panicum Pringlei* Vasey."
- 2608 *Pennisetum*
- ✓ 2375 *Fritidea*

✓ 2346 236 & 255 which I think all one species. From the peculiar lateral leaf-like prolongations of the ligule I have proposed to name this *Muhlenbergia trifoliolata*. It is allied to *M. distichophylla* but quite distinct according to my specimens of the latter.

All the *Muhlenbergias*.

The three species of *Sporobolus*

- ✓ 2321 *Epicampes* = 518 E. Palmer 1886.
- 2624 *Eragrostis*.
- 2607 *Bromus* -
- ✓ 2525 *Brachypodium*.

I fully realise that I am asking a good deal of you. If you find time

for only thru a your comparisons, I
shall try and be content and certainly
feel that you have placed me under
great obligations.

Yours very truly,
F. Hanson-Seibner.

Knoxville - Tenn. -
Feb. 26. 90

Dear Mr. Watson

I am greatly obliged
for your kindness in looking
up cost of making type-
written copy of Hemsley's Mexican
Grasses. I must have the
^{done} work, and enclose an order
for it. If you prefer to have
the order made out to someone
else please return the
enclosed & I will make out
another to the party doing the
work. I wish the copy made
on good strong paper, like
this sheet (only it may be thinner),
and with ^a noncopying ribbon.

Yours very sincerely
F. L. Scribner

5

2460	2500	75
6367	3000	77
5940	3170	76
	3000	74
2460	3500	75

University of Tennessee,
Knoxville.

Mar. 6. 90.

My dear Mr. Watson -

I have just received
a letter from Prof. C. Hackel
to whom I submitted several
of Pringle's grasses. He
makes -

- # 2363 *Panicum Indicum*, L.
- ↓ 2618 *Panicum brevifolium*, L.
- ↓ 2423 *Panicum Scheideanum* Hack.
(= *Exophorus Schiedeanus*, Schl.).
- ↓ 2359 *Paspalum Piltieri* Hack, Mes.
(near *P. papillosum* Gr.).
- ↓ 2559 *Pentarrhaphis geminata* Hack & Scribn.

The discovery of the long lost
and doubtful genus *Pentarrhaphis*
Kuntz in No. 2559 is most
interesting -

Yours sincerely
F. L. Scribner

to that grade of distinction
just yet.

Yours very sincerely
F. Lamson Scribner

Scribner

March, 17, 90

My dear Mr. Watson.

I am very greatly
obliged to you for having so
kindly taken the trouble
to go over Pringle's presses
for me. I assure you I
appreciate it. I am glad
to know that you think the
Tripsacum, #2610, *T. lanceolatum*
& no. 2608 *Pennisetum Mexicamum*.
Trisetum interruptum Buckl. pre-
sents two good forms, one of
which I thought at one
time might be regarded as
a species & named it Hallii.
Eragrostis Bahiensis is a
widely distributed and variable

Species - Pringle's # 2313 (= 240
E. Palmer) match some foreign
specimens I have, ticketed E.
Bahiensis.

I think I can find good
characters to distinguish
Muhl. distichophylla from
Pringle's 2356 + 2360. -

Please instruct the
type writer to indicate in
the copy the matter taken
from each page in original,
^{and the page it is taken from.}

I have been working
lately on a package of
grasses from Prof. Macoun.
Among other things I find
that Dr. Vasey's *Alopecurus*

saccatus, *Macounii* & *How-
ellii* are all essentially
the same & that all are
in fact only low, upright-
specimens of *A. geniculatus* L.
A. saccatus is founded upon
characters induced by dis-
ease! *A. Macounii* most
nearly resembles *A. caespitosus*
Trin. I would dispose of
the three Vaseyan species above
named in this way -

Alopecurus geniculatus L.
var. *caespitosus*.
= *A. caespitosus* Trin., *A. saccatus*
A. Howellii & *A. Macounii* Vasey
Culms low (2-6 in.) erect, panicles
1/4-1 in. long, upper sheaths sometimes
inflated.

Subvars. might be founded on the
length of the leaves, strength of
the awns &c. but we are not descending

University of Tennessee,
Knoxville.

April 3-90

My dear Mr. Watson:-

The excellent typewritten
Copy of Hensley's Mex. Gram.
was rec'd last evening. I am
much obliged to you for
having the work done, and
so well done, for me. Find
enclosed P.O. order for amt.
of your bill - see below.

I have not yet succeed-
ed in getting Fournier's work.

I fear Hackel was
mistaken in referring #2589
Pringle to Pentanaphis.
Each spike has 2 spikelets
The rachis being prolonged and
bifid (usually) at the apex, as in

Polyodon. The spikelets are two-flowered (first flower ♀, second flower ♂) with a short bristle-like continuation of the rachilla beyond the second flower, essentially the characters of *Pentstemon* as cited by Kunth. I do not understand Kunth's expression "*Glumae 2; inferior ex aristis quinque basi subconnatis composita*" as applied to our plant unless he mistook the bifid prolongation of the rachis of the spike and the nearly subulate lower glumes for a single glume. Hackel overlooked these narrow lower glumes or rather classed them with the prolongation of the rachis, and altogether considered them as an ~~abortive~~ aborted or rudimentary spikelet. One

might get this idea from an examination of a dry specimen, but if the spikes are well soaked the true characters are evident enough. — I am the plant to Polyodon *Michx.* 1836 Nov. 21. T. 175, t. 55, #200 *E. Palmer* is the same. Will you kindly compare it with Kunth's figure. Also please compare it with t. 60 in 1836, Nov. 21.

What of "you" will will be sent by check by Treasurers Office.

Yours Very Truly
J. S. Jackson

WHITE CLIFF MINERAL SPRINGS & MOUNTAIN HEALTH RESORT.

3000 Feet Above Sea Level, on Top of Chilhowee Mountain, Monroe County, East Tennessee. The Waters are Chalybeate, Alum, Sulphur and Freestone.



Highly medicinal for all Diseases. Rates of Board—Per Day \$2; Per Week \$10; Per Month \$30. Special Rates to Families. For Circulars and Further Information Address J. H. Magill, Manager.

White Cliff Springs, Tenn., July 16 1890

My dear Mr. Watson,

I am preparing a short paper on *Pentarrhaphis*—particularly *P. geminata*—and I cannot well complete my notes without referring to Presl's *Polyschistes*. In regard to this genus I have only the description given in Knuth's *Enum. St.*—Will you kindly have a tracing made for me of Presl's figures of *Polyschistes*. He records but one species and says it is allied to *Pentarrhaphis*. Hackel regard

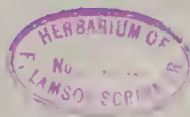
These genera as identical & remarks
that Presl's plant (so far as he
can judge by the figure) resembles
our plant more closely than does
Pent. scabra Kunth.

I have been collecting
here some and among other
good things have found Lygo-
dium palustre, this in great
abundance. Danthonia sericea is
very common on the dry ridges
and mountain slopes throughout
this region.

Yours truly
J. Samson-Scribner

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.



Knoxville, Tenn.,
Sept. 8, 1890.

Mr. Benj. L. Robinson,
Botanical Gardens,
Cambridge, Mass.

My dear Sir, Yours of the 5th inst. has
received. I thank you very much
for your kind and prompt response
to my request for descriptions of certain
Muhlenbergias. Muhlenbergia tenella
Rupr. Fournier names Muhlenbergia
excellus (Mex. Pl. Enum. Gram. p. 84). Whether
the species is characterized or not
by Fournier, I cannot say as I have
not his work. I am truly obliged to
you for so kindly offering to help me
in matters like this and I may oc-
casionally take advantage of your
generosity.

Yours truly,
F. Lamson Scribner.

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

Mr. Benj. L. Robinson,
Cambridge - Mass.

My dear Sir:

I am greatly obliged to
you for the description of *Muhlenbergia*
exilis Torr. There are no essential points
in this description by which *M. exilis*
could be separated from *M. tenella* Trin.
Yst. Fournier says that it is not the
tenella of Trinus!

Yours very truly
F. Lamson Scribner

Sept. 18, 1890

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

Dec. 29, 1890.

My dear Prof Watson -

Pringle has sent
me his grasses, collected
in 1890, and as usual
there are some good things &
possibly new species among
them - I am get without
Fournier, although I have
repeatedly tried to get his
work on Mexican grasses.
How much of a job would it
be to have a typewritten copy
made of his work, omitting all
generic and specific descriptions
except of those which he
publishes as new? -

over

Will you kindly copy for
me description of *Bromus*
anomalus Rupr. in Bull. Acad.
Brux. IX. and *Spartina*
Gouini Fourn. Mex. Fl. Enum.
Gran. p. 135. - And can
you send me a single
spike (or even a spikelet)
of *Bouteloua Scirpoides* Lag.?
= 1010 Schaffner. -

If you will kindly assist
me to this extent I believe
I can do Pringle's grass
collection of the past
season -

Yours sincerely
F. Lamson Scribner

Handed Fournier
by reference - July 12/91

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

July 8. 1891

My dear Dr. Watson.

Many thanks for your
kind favor of the 3rd inst.
Pringle has in his last
Summer's coll., your *Doutelous*
Scopioides - or #1010 Schaffner.

I enclose a few spikelets
from one of Pringle's grasses which
puzzles me much.

I have a clerk now who is
a rapid and good typewriter & if
could secure Fournier's work for a
short time, I could have copied
from it such portions as I require.
If I had this I would write up
for publication & remuneration of Pringle's
several collections of grasses in Mexico.
If you will send me the work by
express I will most gladly pay
any & all charges on it.

Yours very truly
F. Lamson Scribner.

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

Jan'y 15, 1891
My dear Dr. Watson,

You were certainly very kind to loan me the copy of Fournier (which came by express today all right) and I truly appreciate the favor. I shall at once set about copying it, or such parts as I need, & I trust that in some future publication I may show you that your loan was of some value to Science.

This day's mail brought me
"De Graminibus, panicis, Trinus
Phalaridea — — — — —"

Graminum Supplementa "

Bracon's Agrost, with plates - &

Benthams' Notes on Orchideae

— The grass (spikelets sent you) is certainly not a good *Triodia*, but what is it? Can it go into *Arundo*?

Yours sincerely J. H. Scribner.

At the University of Wisconsin
Madison

March 1891

16/5/91

My dear Mr. Watson,

I have been very much interested in
your paper on the subject of the
distribution of the various species of
the genus *Aspidopteryx*. I have
been very much interested in the
fact that you have found the
same species in the same place.
I have been very much interested in
the fact that you have found the
same species in the same place.

The large number of specimens
of *Aspidopteryx* which you have
found in the same place is very
interesting.

I have been very much interested
in the fact that you have found
the same species in the same place.

I have been very much interested
in the fact that you have found
the same species in the same place.
I have been very much interested
in the fact that you have found
the same species in the same place.



Mar, 23. 1891.

My dear Dr. Watson

If you have Pringle's *Eragrostis* # 3334 of 1890 (#2624, 1889) will you kindly compare it with t. 184 in Kunth Revis. Gram. where is fig. *Poa Meratiana* Kunth referred by Döll to *Eragrostis Vahlia* Nees.

Pringle's grass seems to fall under *E. Vahlia* Nees as that is described by Döll, a comparison with the figure named may help to settle the matter.

Eragrostis amona Presl, seems also to include Pringle's 3334. - If you can throw any light on this matter for me you will greatly oblige

Yours very truly
F. Lamson Scribner.

Mar 23/91

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

Mar. 31. 1891

My dear Dr. Watson,

Many thanks for your
kind favor of the 26^{inst} & for
the sketch of "For Meratiana".
By the spikelets you sent I am
now certain that 2624 Pringle
(Erag. Pringlei n.) is *E. Vahlia*
Nes as Doll understood that
species. I had it in my MS.
"Not to be distinguished from
E. Vahlia Nes as described by
Doll. in Mart. &c." I consider
E. amoenia Presl the same.

I have now done all that
I can do here on Pringle's
Coll. of 1890. My notes and

and descriptions, together with a number of figures, I send today to the Phila. Acad. Nat. Sci. for publication. Some of my determinations may be incorrect, but I have done as well as I could with the resources at my command. I am under great obligations to you for the assistance you have given me.

Is it possible, do you think, for me to get Doell's work on the fishes of Brazil? I have part III of vol. II. kindly given me by Dr. Britton. I find it so useful that I want the other parts.

I am contemplating ~~the~~ writing up, in one paper, all the fishes coll. by Pringle on the Pacific slope & in Mexico. Is it worth while? It looks & we like quite an undertaking. I do not understand how Friend Seal can (how it is possible for him, I mean) to prepare a manual of the fishes of North America. I would not attempt it without the opportunity of personally examining the types of our species now only to be found in European herbaria.

Yours most sincerely
J. Dawson Leitch.

OFFICE OF
The Director.

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

OFFICE OF
The Director.

A. Lamson-Scribner.

The Agricultural Experiment Station
of the University of Tennessee,
Knoxville.

DIRECTOR,
F. LAMSON-SCRIBNER.
ASSISTANT DIRECTOR,
CHAS. F. VANDERFORD.

Nov. 3, 1891.

Dr. Sereno Watson,
Cambridge, Mass.

Dear Sir:--

Will you kindly tell me in what edition (and date of same) of the Manual "*Stipa Richardsonii*, Link" was first published? I wish to settle this point as Gray and ^{not} Link published the description of the particular plant referred to. I have just received specimens of this *Stipa* from Mt. Desert, Maine, which increases its range somewhat. The true *Stipa Richardsonii*, Link, is a western grass and is represented by No. 341 of my Montana collection. 2^d ed. p. 249

The *Eragrostis* sent me sometime ago by Mr. Robinson for name, appears among some grasses recently sent me by Dr. Vasey, collected by Palmer in Mexico, in 1890. Vasey considered it new and on one ticket has it "*Eragrostis diversus*," referring to the foliage. On another ticket, attached to another specimen, he has (whether carelessly or not, I cannot say) written it "*Eragrostis diversiflorus*."

I would very much like to have your opinion on Pringle's No. 3252 which I published as *Leptochloa Mexicana*. Palmer col^d

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lected a closely allied species with more slender stems and much narrower ^{leaves} leaf. When I first received Pringle's grass, I thought it must represent a new genus, and I drew up as carefully as possible, characters to define it; but as I studied the subject more thoroughly, considering the genera Diplachne, Leptochloa, etc., my characters one by one disappeared, and so I ventured it as a Leptochloa, and yet, I don't feel quite satisfied about this disposition of it, more especially since the discovery of Palmer's grass. In my notes I had called it Hackelia, characterized as follows:

Spikelets two- to four-flowered, ~~the uppermost imperfect~~, racemose, along one side of the slender, more or less spreading and elongated panicle-branches; rachilla articulated above the empty and ^{below} ~~between~~ each flowering glume, sparingly pilose; flowers hermaphrodite, or the upper one staminate or neuter. Empty glumes two, persistent, chartaceous, or membranaceous, unequal, acute, one-nerved, ^{much} shorter than the nearest flowering glume; flowering glumes compressed, keeled, herbaceous, strongly three-nerved, dorsal and lateral nerves densely silky-villous below, mid-nerve extending into an awn beyond the entire apex of the ^{attenuate} glume; callus distinct, somewhat acute, pilose; palea a little

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shorter than their glumes, two-nerved, two-keeled, shortly two-toothed, pilose on the keels below, finely scabrous above. Stamens three. Styles terminal, distinct, stigmas plumose, projecting from the sides of the florets. Ovary smooth. Grain free from the ^{glumes} ~~bleom~~, with a narrow, sulcate line along the posterior side. ^{palms}

Erect, perennial grasses with solid culms and ample panicles with ^{and scattered} branches usually solitary along the main axis.

I hope you will pardon me for venturing to trouble you to the extent of reading all this, but if you have time, I wish you would give the subject a little thought, and let me know your conclusions.

Yours very truly,

F. Lamson-Scribner

Cambridge Mar 2/76

My dear Sir

Will you be kind enough
to tell me what is the present
name of a plant called by
Abbot (who flourished in Georgia
at the end of the last century &
early in this) Euphonia tuberosa.
It is a southern plant, but Chap-
man gives only herbage

By doing so you will greatly
favor

Yours truly

Saml. H. Sudder

Dear Watson

Would you please give me
the current name of a Cuban
plant called 50 years ago
Poinciana pulcherrima Linn
and tell me also where it
belongs — Leguminosae?

Yours Thankfully

Wm. D. Foulger

Dear Mr Watson

Will you please tell me
the present proper names of
the Cuban plants which I
send you.

Piper pellatum

" *umbellatum*

Artocoe adunca

and to what families they
belong?

and ably

Yrs very truly

Wm. H. Peckham

Caenbr. Aug 27

Dear Watson

Will you be kind enough
to put on the enclosed and
the year of publication of
the 2^d vol of Heers

Flora testaria Helvetiae

and oblige greatly

Yours truly

Wm. H. Cullen

Cambridge, Mar 7/89

Dear Mr Watson

I should have answered
before but I have been on
my back - There are so many
similar applications to those
of D Christy that there is small
chance anywhere. European
species are so easy to get
that they are a drug in the
market - One might chance
on the right person at the
right time, but none comes
to my mind. I will speak
of it to our Entom Club & let
you know if I see anything
favorable

Yours truly
Lewis H. Puccia

the leaves with those of
Muniers Nigromis. There
is no Nigromis that
has decomposed leaves,
the leaflets of which are
incisely - serrate.

If you should have ^{literally} seen
my new Nigromis
in any of those Reports
you publish you would
greatly oblige me by
sending me the publication.

Hoping that you will
kindly forward my views
they to sign myself
Yours very truly
Duthold Semmen.

22. Canobury Square.
Islington, London.
Octbr. 20. 1859.

My dear Sir.

Having lately finished
a revision of the Crecentaceae,
I have now begun to work
up the genuine Nigromiaceae,
and should feel very much
obliged to you, if you could
give me any information
about *Phitopsis glutinosa*
(comp. Wlphs. Ann. III. p. 92)
mentioned by Engelman
in *Wislizenius Exped. Mex.*
Is it perhaps *Astianthus*
longifolius (De Cand. IV. p. 178)
? — Could you send me
a letter & leaf and flower of
it?

That would help me to
value it, and should feel
very grateful for them.

It may probably be
of interest to you to
know that *Dignonia*
Peruviana Linn. (ed.
Lind IX. p. 170) is identical
with a plant of the herbar.
States = *Vitis bignonioides*
F. & Gray. I stumbled
across an original
and authentic specimen
of it, collected by Lin.
nacus in hort. Cliforti-
ans, and preserved by
his own hands. It is
in the British Museum

and was given by his
J. E. Smith to his Joseph
Danks. There are a few
flowers on it, leaving
no doubt about it. Of
course the synonymy quoted
by Linnaeus in *Hortus*
Cliforti-ans have to
be included. Both that
of Planch. and Plum.
belong to *Tecoma*
stems.

Now Linn. could
name a *Vitis Dignoni-*
oides of course a great
puzzle. Unless we assume
that he overlooked the
minute flowers, and
thought he had identified

Titch has already made
some famous plates of
several new genera
and species which are
to appear in Donpl.
Coloured. You shall have
them Direct. There is a
new Hindenberg, growing
like the Central American
one on rivers.

I enclose the bill; let
me have the money, if
convenient Direct, not
through an agent.

You will soon now
be retired. We are getting
more and more interested
in the plot thickens.

Yours very warmly
Dutchold Seemann.

22. Canbury Square.
London. W. Aug. 24.
1861.

Dear Sir.

In reply to your
request I have reserved
for you the first set of
my Tijian Plants, that
I had to dispose of, the
first set of all was left
at Kew. From the list
who published in the
Donplandis, Sept. 18. You
will see that you have
nearly all, with the
exception of some common
introduced or cultivated
plants. Wherever I
could find you

Mrs. name, in Herb. Hook
for Fijiian plants I have
adopted it, though I have
not seen any other descrip-
tions of Polynesian
plants of yours than a
few Compositae and
Goodiaceae in Prodr.
Am. St. Vol. V. I hope
you have published any
other families pray
let me know, and
send me, if you can,
a copy. I am going to
publish without delay a
complete list of all
Polynesian plants as
can be compiled. After

that a person will not be
so apt to err in making
new genera and species.
Some of your species I
have not been able to
make out. When you
get my plants pray look
over them, and let
us have the names; you
know there are but very
few of W. & C. 's plants
in Herb. Hook., and
some of my specimens
were imperfect. How
could I spend months
time in determining
the whole - as it was it
took me 12 weeks to
arrange and name my
late harvest.

W^r Asa Gray

To Berthold Seemann

22nd, Aug^r. 1861.

690 species of Fijian plants at

£2. 2 per 100

£14. 4. 0.

delighted beyond measure.
You may depend upon having
them back ^{at} any time you
think proper to join, and
if you would need them
to me in London, I will
forward them to him. He
has now had all the
Aroidae from the great
European herbaria, and
yours would therefore
prove highly interesting
to him, especially as
there were so many
new ones among the
ones I collected in Fiji.
He has a most magni-
ficent collection of both

Hannover, Germany.
Octbr. 18. 1861.

My dear Sir.

I have yesterday
despatched to you a
copy of the *Donplanten*
containing a list of
my Fiji plants, in
case you should not yet
have received it through
your own bookseller.
A list of the new names
from Fiji (with descriptions)
is now printing, and
all the other new things
will follow.

Shott has given me a net your Dublin correspondent,
of his illustrated public as soon as convenient.
Erns for you, when I was at Shott at Vienna has
Vienna a couple of days begged me to say a few
ap, and I shall deliver words in his favour. He
then to Trübner as soon as very desirous of ~~the~~ seeing
as I went London, ⁱⁿ ~~the~~ the Croidean collected
in a few days. Your ^{not} ~~not~~ during the Am. Expl. Expe-
ret of Fiji. ^{dition}, and he says that
plants were also delivered he would describe them
into Trübner's hands ^{and} ~~and~~ let you name them
two months ago, as you if that ~~the~~ proposition
had diverted, and I should prove acceptable.
trust they are in your If you could or would
possession by this time send him your Croidean.
I have no objection to or any duplicates you
receive the money through ~~can~~ ^{can} you be would be

have such heaps of letters
to write, but if you knew
how much they are
valued by all who
have the pleasure to
receive them, you would
if you could, write even
more.

Your American troubles
are beginning to tell upon
the Trade of Germany. They
were serious & felt at the
Leipzig fair, as I heard from
all sides when passing through
the place.

Yours sincerely
Rothold Seemann.

Living and Dried Aroids.
He has never been able
to see the North American
Arum, and doubts whether
a true Arum is a member
of the North American flora.

What are you doing
to do with your palms?
Wendland is now the
only man in Europe who
really knows them, and is
up to the mark. Martius
is getting too old, and
if you could send Wend-
land your Am-Expl. Exp.
palms he would work them
up at once.
Of one of the Fiji palms,

the most remarkable of all,
the only leaves in my
collection and cannot be
described. Perhaps.

Drak. may have found
fruit or flowers. I should
be glad to forward the things
you may send for Wandland.

Kotschy at Vienna has
sent to my London
agent several sets of
his collections made
during his last journey
in ~~Kurdistan~~ Kurdistan etc.

There are 400 species,
all in good condition,
and named. He asks

He asks 32 shillings per
hundred, and perhaps you
may feel inclined to
take a set of them.

I should be glad to be
able to dispose of a few
sets for him, as he
devotes all his spare
cash to his oaks, of
which he is publishing
expensive works with
numerous plates. He
is now over the Asiatic
men.

I shall return to London
in a few days, where I
hope to find an answer
to this letter. I know you

then through the newly established
parcel delivery company,
and I hope will have his
things two days after they have
left London, and without
any more expense. If I
may venture to advise you
send him all your Aroidae
of your herb. to name and de-
scribe, determining a time
when you would wish to
have them back, and you
may depend if it that I shall
not fail to keep you writing.

I am very anxious to
receive the palms for
Hendland, as the one
collected at the back of

Decembr. 9. 1861.

22. Lambury Square.
London. N.

My dear Sir.

I beg to acknowledge the
receipt of the money due to
me for the Vitis collection, and
have also to thank you for a
highly interesting communication
on the collections themselves;
as well as for the various
papers on Emporiae, Rubus
can and Loganiaceae.
I am sorry the papers did not
reach me before the printing
of my list; I should then
have been able to adopt your
names if I could.

I have forwarded some time
ago ^{to Frijoliter} the books I brought from
Vienna for you; they were
a complete set of photos
magnificent publications
value about £ 30., and
I trust that they will reach
you before Boston is blockaded.
For we are in daily expectation
that war will break out between
U. S. and England; as
every one fears that your
Federal Govt. is not strong
enough to resist the popular
will, not to give up the
persons of the Commissioners,
and as it is now generally
believed that the Federal.

power, only long for a fair
chance to close the war with
the South, and here now an
opportunity to say if I had
not been for England we should
have conquered. Their opinion
seems to be uppermost in the
mind of the City folks as
well as at the clubs. I hope
America will give in, and
not provoke a war; England
may have done the same
thing herself, but she does
not like to submit to search
of her own ships.

If you are going to send
things to Elkhart, send them
to me, in preference to other
medians; I shall dispatch

S. depressa calyc., et l., and
the seeds arranged in several
rows. No other genus of *Ny-*
ctandria has this habit, and
I have about 8 species, native
red over limited thales, Japan
China, and the Lunda island.
Campsis adrepens, Lour (= *Te-*
coma grandiflora) is the type.

I have enclosed in 1860
four plates, illustrating
Viti plants, and I am
anxious to hear what
you say about them new
things.

Yours very sincerely
Rudolf Seemann.

Anna Leon will probably
turn out to be the curious
one of which I had only leaves.

I shall be very glad to have
more of your notes on Viti
plants. I shall put names
to all the plants at Kew
and Brit. Mus. I shall look again
at what I have named
Graptophyllum hookerianum. Dr.
Anderson has accumulated
a rare host of specimens under
that name, and looks upon
it as a very variable plant
with lots of synonyms. I do
not think that my n. 358 is
the *Ocimum Basilicum* L.
That would be our common
garden plant, well known to me.

Do you mean that what?
have called: *Tyloscorpia corpa*.
bosa is = *Psychotria Forsteriana*.
A Gray, or that really La
Bill. plant is = yours. In the
latter case I suppose you would
alter the name in *Psychotr. corpa*.
bosa.

I have not yet commenced
describing the *Euphorbiaceae*. By
the diagnosis of our species, drawn
up on the spot, I have sent
to the printer, and you will see
it together with the new moves
provided it is *Progl. Decub.*
15. I think it is almost
impossible to keep the genus
together. The shape of the corolla
is so very different in the
various species, — also the
habit. You know that

new Vitian species have as
yet been described. De Cand.
Prodr. wrongly states two species
to have been collected — Viti,
when in fact they were from
the new Hebrides, or hereabouts,
conf. *Loud. Journ.*

I wish you would be so
kind as to send me a
couple of fruits of your *Pij-*
nonia scandens, or one
would do. I am going to
restore *Loureiroa* genus *Campsis*.
Of which *P. scandens* is a
species. The genus is a good
one and has nothing to do
with *Tecoma*. It has a distinct
habit, climbing, rooting branches,
imparipinnate leaves, a regular

Postscript: I was just on the point of posting my letter when yours of Nov. 25. reached me. containing additional notes on my plants.

303. Much against my own judgement I referred this plant to Gaertner, but Dr. H. talked me into it. He examined the fruit and said that it ought to go with Gaertner. I thought at first that "*Gaertnera barbata*" might belong to n. 303, but the habit of the two plants are very different. *G. pyramidalis* forms regular pyramids in the open country of the central parts of Viti-Leon, whilst *barbata* is a forest tree of no particular habit. n. 303 has a fleshy white drupe and white flowers.

310. *Mypa stultata* is a very variable plant, some

states of which agree with what
La Plante says.

322. I can not believe that
this is a *Gymnema*. It is an
erect shrub, 4 - 6 feet high,
while all the other species
are frut. volubiles. I have
the fruit, and will send you
one. But it ought to have
been amongst your notes &
fruiting state. They look very
much like leaves. Look again.

As the ~~box~~ box Lark would have
it. I lost a parcel of plants over
board, containing Orchids and
fine specimens of *Flores*, just
before they were going to be put
away for good. But I think
there are a few flowers here to
make out a diagnosis.

Yours sincerely
D. Seemann.

print more copies than
I get subscribers. I suppose
I shall be quite safe in bringing
out plates ^{of plants} of those orders
already published by you.
If you should go on with
your plates, have the good-
wills to let me know what
plant you intend issuing,
so that we may not have
twice the same thing. There
is plenty of material for
both publications. I shall
write to H. V. Tieckman a complete
enumeration of all the plants
known from there, and
I should consider it a great
boon if you would allow
me to send you my proofs
prior to publication.

22. Canbury Square
London.
March. 20. 1862
My dear Sir.

Many thanks for the addi-
tional sheet of Proceedings Amer.
Ac. including *Euphorbia*.

The flowers of all the *Evans-*
thum I saw were purple,
both in the cultivated and the
wild plant. But I was also
told they were in some cases
white. I did not see the
latter, not any blue ones.

What I have called "*Leucis-*
rubra?? n. 318" is very differ-
ent from *Euphorbia laevis*. R.
are lost. The leaves are very
hirsute, — the stem climbing.
Respect to *Jasminum*.
gracile. As I collected
my specimens of my n.

... in different parts of the group, it strikes me now that you must have got really *simplicifolium*, as my remaining specimens do belong without a doubt to ~~*S. simplicifolium*~~ ^{*Stuebeli*}. As *S. simplicifolium* occurs in Tonga. I may also be found in Fiji.

Any look to this, the calyx at once decides the point, though in general look the two are so alike. I should like to know a little more of *S. tetra-* *gynum* A Gray. Are the branches perianth or stamens? The calyx lobes are like those of *S. simplicifolium*. I don't think much of the character a *crenatum* *Maculatum* (or *humboldtii* as you and W. H. Miller spell it) is very dry in comparison to other plants of Fiji, and I have seen

many and other plants climbing in the wetter parts, and quite erect and stunted in Maculatum.

I am looking forward to your answer to my *Cypripedium* Campsis.

I have made up my mind to risk the publication of a *Flores Viticenis*, 4to, 400 pages and 100 plates coloured, — though the Goode must have refused to give me a penny towards it. I enclose you a Prospectus, and should be glad to be allowed to add your name, or that of any of your libraries to the list of subscribers. I shall not

March 20 '86.

Do you approve of Drogh.
changing your Agatha's name?

I should feel very much
obliged to you if you could
indicate a few names of
people in America likely to
take a copy of H. V. T. If
my application had not been
made at the time when Wilkes
made that disturbance, I
~~probably~~ should have had
assistance from Government.

My Report on Fiji has
been printed by order of
Parliament, and as soon

as I get my copies I will
forward you one. You will find

many of your plants playing
an important part in
the group, — and perhaps
you may be induced to
say a few words about them
in Lillman's Journal or
elsewhere.

Has the 'Tomatoe' from
the Fiji, of which Wilkes
speaks in narrative as
introduced to him and that
ever been described, and
is it still cultivated with
you? — I take it to be
my Solanum anthropicum -
form, having a fruit like
a tomatoe in shape and size
and colour, and edible leaves
(eaten with human flesh). We have it
as well as fruit. We have it
at New. from my friend D. Steenman.

We had just the news of
the battle of Corinth, and
I for one am glad that
you gave the rebels a good
thrashing.

My official Report on
Fiji is still kept back
by Government, so I
have not been able to
forward you a copy.

Dr. Huxley is dead; he
was amongst the most
ardent admirers of your
great labours, and your
letters to him were his
chief pleasure in life. He
was a thoroughly honest man,
one in a thousand, and I
feel his loss acutely.

Yours most truly
D. S. Lillman.

22. Canterbury Express Road
April 23. 1862.

My dear Sir.

Excuse my addressing you
again after you have so
good-naturedly answered
all my numerous questions.
I have lately received a
fine drawing of an Alce-
cypus from Viti, the flower
July two inches long, and
crimson. I fancy it is
Proquints & speciosus
and I have begged him
to send me a flower and
a leaf. Could you send
me a leaf of your E. pyri-
formis, or

part of one. I should not
like to add to the stock of
specimens if I can help
it. You could perhaps
send the leaf in a letter.

I have lately found some
Forster's plants and found
many interesting things.
I will interest you that
some *Oncocarpus Vitiensis*
is identical with
Forster's *Phus atra*. There
is a good original specimen
of it. Would you alter
the specific name into
"*Onc. atra*??". I have
also found a specimen

Gentianaceae from Fiji, collected
by Sir E. Rome, - the
Erythraea austriaca R. Brown.
Are there any Gentianaceae,
besides *Linnaea*,
in the H. Expl. Exp. from
Fiji. You know I discovered
a new genus of Gentianaceae
at Oahu. (Mon. Bot. Soc. L.)

I have also a fine
coloured drawing of
what I hold to be
some *Lyonia lucida* from
Fiji. If I could get a leaf
and a flower I should
publish a coloured plate
of that fine plant. May
I send you them if you can
in a letter.

Tubera montana, having
a round, indehiscent
fruit; and differing
besides in other things.

A close study of Torrey's
plants will yield a rich
harvest. You will be
surprised at many things.
A few days ago I stumbled
across *Meryta laevis*
which is identical with
Potzodendron Piteuse.
Guss. See Torrey's plate
in Char. gen. and his
ms. description in
Jeph. Port. p. 76. of course
Potzodendron goes
to wall. There is a
fine drawing of *Meryta laevis*
laevis

22. Canbury Square.
and London. N.
Sept. 15. 1862
My dear Sir.

I have lately sent to
Messrs. Trübner and Co a
small set of Fijian plants
collected by Mr. Throck,
which you will do me
the favour to accept
as a ~~small~~ present
from me. If you should
write about any of them,
I shall feel obliged for
a ~~set~~ copy send direct.

I shall be most happy to let you have a copy of the Fiji Flora for one of the mounted th. Expl. Exped. Could you send it through Palmer? — I shall send you in a few days my official report on Fiji, and should feel obliged if you could mention it in any of your journals. You will find in it some curious stories and information about some of your own plants.

I shall also forward at the same time a list of Fijian plants (corrected to the latest date), and including the names of the new things sent by Mr. Hook. Look into this couple for the new species! There is a splendid new *Elaeagnus* Hookii (quite distinct from the *E. speciosa* Bregg. & Dr.) and also having large scarlet-purple flowers; *Diko* a new *Rejona* - which must be kept distinct from

Ms. A. 1. 1862

We are glad to see you have
driven the South back. There
must have been some hard
fighting. As yet there is only
the outline of all, but hopes
in the north are reviving

at Brit. Museum. They
have all Torrey's things
engraved on copper at
the B. Mus., but only
one set has been struck
off. I have tried to per-
suade him to print
50 copies, and distri-
bute them amongst zopho-
philic botanists. I wish
you would support him
by a few words. The iden-
tifications I have effected
might furnish you with
an opportunity. They
are not unwilling to do
it, but require a little
pushing.

I am very to me the dread. book is now very much
ful pick. Your army need it is to hope
is in. According to all that a more generous
accounts it is beaten, views will ultimately
and ultimately on all points.

points. What will be the
end of it. There in England
there is, I may say, no
sympathy for the north,
and except the Daily
News, no influential
paper speaks in favour
of the north. Anthony
Trollope seems to me
to have put the whole
question very fairly before
the English public, and
as his

Yours very sincerely
Berthold Seemann.

I have just made out
a new species of *Gmelina*
(*G. Vitiensis*) collected {
Milne in Fiji. I suppose
you will soon elaborate
the *Burkenaceae*?

Yours &c N.C.

that the Fijiian plant, collected
& Milne) had all the
characteristics of Smilax.
Like most Rubiaceae
it is very apt to fall to
pieces in drying, and
Milne's specimens are
not very good either; but
they are accompanied by
a drawing made on the
spot.

I have now sent you
Fijiian plants collected
by Hooker, my official
Report, and a corrected
List of Fijiian plants
and hope you will ^{receive} ~~find them~~ ^{them all}.

22. Canonbury Sq. N. London.
Nov. 19. 1862

My dear Sir.

I have carefully attended to
also the notes expressed in your
letter of October 15. You were
quite right to say that the
look of *Clerodendrum* *Ami-*
corum is always 4-merous;
I saw it, but did not think
so much of the character as
I do now after looking
more carefully at the *Clerod-*
dra. I compared *C. Ami-*
corum with *C. inermis*, because
I know no other it comes
nearest in habit. I do
not find anything in our
herbaria

approaching from Fiji an
C. ovalifolium. Aspecting
the broad and narrow or
rather small leaved varieties
of *C. inermis* I have
looked over *Sten.*, *Hooker*
and *B. L.* *Mus.* specimens.

I do not exactly find any
transitions between them,
but on the other hand I have
not been able to hit upon
any difference in their
respective calyxes that *Sten.*
not break down. *Linnaeus*
has in his *Verb.* (*Linnaean*
Society) the broad leaved
form under *C. inermis*.

I do not find a small
leaved form from Oceania,
but there are also plenty
of specimens of the same
from Java (*Forfield*) Ma-
laca (*Griffith*) *Moradabad*
(*Thomson*). The small
leaved form I find chiefly
from China, Rangoon
(*M'Clelland*) Mangalore
(*Hohenacker*), and *H.*
Teluna (*Dodd* *in part*),
from *Jen. Walker*.

I hesitated at first about
Smelina, and put it into
Premna, but afterward found

What are you going to do
with your *Exopetala*
brachyd.? — Reichenbach fil.
would be very glad to describe
them, and do it without
delay. He is now engaged
in describing my Fijian
ones, and as he came to
London on purpose to look
at Forster's specimens,
~~and~~ I am in hopes that
he will turn out something
good. Lindley has so ^{much} to do,
and has a
bad hand for the last
year or so, preventing

him from going on with his
Orchids. If you should
like Parkerbach to do your
Orchid ~~business~~ ^{forward} them to me,
and I will be responsible
for them. The next time
I go to the Continent I
will bring over the palms
you sent Wendland, as
he has now quite done
with them.

The narrative of my
expedition has just been
published (Mechanic
1.8vo volume.

Hoping to hear from you
soon, I remain, my dear Sir
Yours faithfully
Walter H. Seemann.

has hitherto been in exactly
described. Your Oaken
plant having ^{at times} double the
number of the petals is
quite different, and I
wish you would give a
name to this ^{new} species, which
I should be glad to adopt.

I have been to South
America for a few months
and have not received
a letter from you for more
than a year. Indeed there
being no answer being
lost I conclude that
you may be angry with
me,

22. Canbury Square,
London - W
July 1. 1864.

Dear Sir.

I should feel very much
obliged to you if you would
send me in 3 letters a
single flower of ^{Panae Samocensis} Para-
tropis Samocensis, and
Gartonia? Calceolaria
of Wither Botany, for my
revision of Podocarpus
^{illustrated by woodcuts of the January}
of which the first portion is
now printing. I am
going right through the
order, which, I need not
tell you,

is in great confusion. You
probably saw that I wish
to join your North American
Arabis erinacea with
Borfieldia pumila; Borfieldia
Do you see any objection
to it? Borfieldia is
of course a *Rudbeckia*.

If you should not
be able to send me
the two flowers, will
you please look to
find out whether their
pedicels are articulate
or not, and whether the
calyx is calypulate.

The *Paratopia*, if it has
a calypate, would belong
to *Cheirodendron* Nutt., to *Laurel*
with Island genus, ~~calypate~~
figured by you as *Rudbeckia*
provisionally.

Your *Eratonia*? *Calceolaria*
is a new genus.
Eratonia proper has the
number of petals equal
to that of the stamens, no
calypate, and no articu-
lation in pedicels. The
petals are 1-nerved (not 3-
nerved as Dr. A. M. B. has it)
and they ~~often~~ are very narrow
and open coherent. The genus

Hoping soon to hear
from you, and trusting
that my explanation
may ~~be~~ be deemed
satisfactory. I remain
Dear Sir,

Yours very truly
Dorothy Sumner.

and my conclusion is
somewhat supported by
reading a note of yours
in Lillim-Journal. (pointed
out a few days ago & a
"piece"), in which you blow
me up for "abstracting"
(I might "stealing") an
article of yours for my
Journal. I certainly did
make an abstract of your
paper and put it in because
it pleased me so much,
and it was too long to go
in entire. And I might
have put in a few stars
(* * *) to show that some
was omitted, but I no un-
derstand motive, and if

I added that it was printed
with corrections by you.
it was simply to indicate
that I had no high regard
for every word you wrote
but I would not alter
a single letter. Frutiger,
I do under false colours,
I did not wish to make
it appear, as you would
be so sure, that I
desired to make people
believe you supported
the Journal. —, glad as
I should be if you did —;
abridged through your paper
was every body was
pleased with it, Alph.
Deland then liked it and

"The Athenaeum" printed
it.

The first number of my
Vitian Flora with room
to spare. I am making
simultaneously a list of
all known South Sea Island
plants, between 30° N.
and 30° S. lat. ^{Equator} I then
arranged all ^{Cook's} Cook's collection
and other sets at the
British Museum.

I shall be glad indeed
if you would send me
now and then something
for the Journal of Botany.
It is making great progress,
and we may have to increase
its volume.

The corollary leaves are
also not turned in the
circumferential way as they are
in *Cerodendron Hookii* and
Americanum.

I suppose my *Vitis Viticulis*
has nothing what-
ever to do with your *Cero-*
dendron. ovalephorum?

My *Viti. Hookii* is progressing
fast; the second part bringing
it down to the present in out-
side the bulk of all the plates
is ready for press. I keep
a complete set of the work for
you which I owe you for your
Expl. Exped. When a few more
numbers are out I will send
you them. It is hardly worth
while to send single numbers
as you can do the work.

I wish you would publish

57. Windsor Road, London.

Jan 18. 1865. ^{N.} _≡

Dear Sir.

I have forwarded to you by
book post two plates which
will appear in *R. Viticulis*,
representing two new *Verbe-*
naceae plants — *Ceroden-*
dron Hookii and *Vitis*
Viticulis (melting *Scand. dim.*)
have you got anything like
them? The *Cerodendron*
(provisionally so called on
this plate) is a member
of your *Tetrastylaeanthus*, though
the calyx is *bifid*. I should
like to know more about

the calyx of your *Clerodendron*
ovalifolium. In ~~the~~ *Horckii*
and *Amicomum* it is
perfectly closed in aestivation,
and splits irregularly
similar to the large genus
Tecoma (the 5-phyllous, arbo-
reous species). I do not
think there is anything like
this in *Clerodendron* proper,
or in ~~the~~ *Eutecoma*
and *Tetrameles* might
be made into a separate
genus. I should like to hear
your opinion about this,
and I should be glad to
adopt your nomenclature.

I searching the N. list
Chusquea herb. I found a

plant very much like the
two *Clerodendrons* in habit
and also having the calyx
splitting in the corolla
portion of *Horckii* and
Amicomum. Brown named
it provisionally *Vitex* (?)
a macrophylla and I should
in his man. notes *Ghiesb.*
simplicifolia. It has a
tubed calyx, & 4-lobed
corolla (Solanum says 5-lobed),
4 stamens, no rudiment of
5th, and a 5-lobed ovary
with single ovules. This would
make it a *Myoporaceae*.
But it could hardly be
forced into *Myoporaceae*?
even
the ~~genus~~ *Chusquea* has remembered
it??? -

Your Tijian Thymelaea.
I am having all my
exam. - I saw what you
sent to Mr. Bennett some
time ago. -- Have you

got any Tijian Lemnys?
One of them I collected is
new. Dr. Hegelmayer is
now engaged in a mono-
graph on them, and
would be very glad to
have all the material he
can get together. I believe
that he will do his work
well.

If you write to me please
to show my new address.

With regard to the Sandwich
Island Pedersen, I am
interested on your sent

is entirely new to me. Near - the word of which has
I have nearly finished been written by J. American
my revision of Pedersen, Council - which has given
and shall have it printed to America in thousands
as soon as there is room of copies. Germany has
in the Journal. always sided with the North,
I believe from ^{positive} conviction.

Thompson is at present here, and is investigating our Cryptogamic flora, and making inquiries about whether Britain has passed through two glacial periods instead of one. In Switzerland, Belgium and Scandinavia ~~this~~ two glacial periods are now proved. Ernst and J. Smith wish to sell their herbaria. - I am glad your relation is over. My brother has composed a hymn of

Yours sincerely
Dorothy Seemann.

thinking that there must
be some mistake about
Knyf's specimens.

Wishing you a happy
new year, and hoping
that you will favour
the Bot. Congress with
your communication,
or what is still better
honour it with your
presence, I remain,
Dear Sir,

Yours very truly

Yr. Obedt. Servant
It is not unlikely that you will see me in the course
of this year in America as Dr. Schimper is to there
for a short time.

57. Windsor Road. London.
W.
Jan. 7. 1866.

My dear Sir.

I should feel very much
obliged to you if you could
furnish me with the short
Diagnosis of *Stachys* given
of *Tasca Oceanica* in
the American Journal
of Pharmacy, Vol. IX.
p. 306., as there is not
a complete copy of that
periodical in all Europe;
the Berlin Museum has
not got it at all, and the

Loudon Pharm. Soc. only
very imperfectly. It would
enable me to complete
a revision of the genus Tacca,
of which there is one species
(T. Parkeri, Lam.) in Bri-
tish fauna. If I could
get this information from
any other source I should
not think of taking up
your valuable time with
troubling you for it. Have
you many Taccas from
Polynesia? — I have
the genuine T. pinnatifida.
(from Tahiti and Fiji agree
with Donker's authentic specimens)
as T. maculata var. (i.e.

the long narrow linear-lan-
ceolate kind which I mis-called
T. pativa Kunth.)

Part IV of H. Viti is com-
pleted, but publication
has been delayed & never
doubt; I shall forward the
~~the~~ three parts to Trübner
in the course of next week
for certain, — so that you
will soon have the book.

Rehder's Chil. has started
the question whether Erica
Tetralix is indigenous
to Surinam, when Weigelt
alleges to have collected it.
I cannot but help

SW Selou

My Dear Gray.

Myself and
my friend Gilbert Wilkins
who will send you this,
are both very much
obliged to you, for your
prompt reply to queries
about old Harwood, please
follow up your kindness
by giving him further
personal information
& truly
yours

23 June
1855

J. W. Selou

Wm
Carrington

Dr. John Gray

Seymour

Champaign, Ill., Nov. 4, 1884,

Dr. A. Gray:

Dear Sir,

Since I recd your letter of Oct 24, Prof Farlow has written me that you and he have planned to divide my time between you and I am planning to be in Cambridge the first week in December. He directs me to write you concerning the amt. of pay I will receive from you.

I hope you will do the best you can for me. You must know that it is very close work to live in Cambridge on \$42 a month, which was what I had before.

Respectfully yours,

A. B. Seymour.

4.25

10.50

2.00

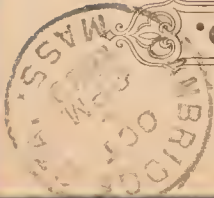
20.75

Cambridge, Oct 4, 1890.

Dear Mr. Watson,

I can supply 500 genus
 cones at \$.75 pr 100, or an even team in reg.
 pkg. for \$ 8.25, mounting paper, 3 or 4 teams
 (or more) at \$ 3.50 pr. team (C.R.C. same as we
 and made up weighing, 8^{*} pr. team) + 200 (or more)
 skins at \$ 1.00 pr. 100. cut to 12 x 18, or in rolls
 12 in. wide at 5¢ pr. lb. (= about 85¢ pr. 100)

Respectfully yours, A.B. Seymour.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Dr. Jerome Mathew

Bohème Garden

Cambridge Mass.

I sent paper to Mr. Clark returned it,
asking for samples & prices, which I have
sent. I do not know whether the paper I
ordered of CR Co for him was sent or
not. Hope I may yet fill the order,

AJG,

Oct. 9.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Dr. J. Lewis Perkins
Bryn Mawr Garden
Cumbria, Mass

ECONOMIC FUNGI.

A. B. Seymour, Cambridge, Mass.,

F. S. Earle, Ocean Springs, Miss.,

Cambridge, Mass., Feb. 21, 1894.

Dear Mrs. Gray,

As you wish your sample returned, I will not trust it out of my hands but will try to match it next time I go into Boston. I fear it will be somewhat difficult to match but I will do the best I can. The price for your size in this or similar paper would probably be about 75¢ pr. 100 sheets.

You say about 11×17 . Perhaps you would like $11 \frac{5}{8} \times 17 \frac{1}{4}$ which is the size used for genus covers with half size mounting sheets (used by many for

(Mosses. fungi etc.)

I am having some boxes made to fit
Linde glass covers. Size of boxes 4 x 5 x 12 in.
Covered with cloth, one end hinged.
Would Linde boxes be desirable to
contain the autographs or any of
your papers?

Respectfully yours

A. B. Seymour.



STATE NORMAL SCHOOL.



FACULTY.

EDW. T. PIERCE, ... PRINCIPAL,
History and Pedagogy.
C. M. RITTER, ... VICE-PRINCIPAL,
Mathematics.
EMILY A. RICE, ... PRECEPTRESS,
Language and Drawing.
M. L. SEYMOUR, ... Science.
E. A. GARLICH, ... Music.

Chico, California, March 22, 1890.

Prof. Rev. Watson
Harvard Univ.

Dear Sir:

At the suggestion of
Gen Bidwell - I write you for in-
formation concerning the purchase
of your two volumes of Cal. flora.
Will you kindly suggest where
we may procure them?

Respectfully yours,

M. L. Seymour



STATE NORMAL SCHOOL.



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Mathematics.
EMILY A. RICE, ... PRECEPTRESS,
Language and Drawing.
M. L. SEYMOUR, ... Science.
E. A. GARLICH, ... Music.

Chico, California, April 7, 1896.

Prof. Lewis Watson.
Harvard College.

Dear Sir:

Please accept my thanks
for your kind favor of March 29.

I have sent to Messrs Ivison, Blakeman
& Co. for Dr. Gray's Synoptical Flora
for my own library. Our Dealer
for the Normal School, Mr. H. B. Gustin,
sends you the money for your valuable
work for the library of the Normal -
hoping that we may be favored by receiving
the Book at an early day.

I am respectfully yours,

M. L. Seymour

1

Philadelphia, May 25th 1859.

My Dear Sir; -

What are the terms of furnishing
the new series of the Memoirs of the Academy? -

You will please find two Linné Portraits ac-
companying this, one of which you will be
kind as to hand over to the Boston Society of
Natural-History.

This portrait represents him as a student in
the year 1732, on his return from the tour to
Lapland, - the particulars of its production
may be found in the Entomologische Zeitung.
Stettin, 1858. pp. 319-320.

Accept, my dear Sir,

the assurance of my most distinguished
consideration.

William Sharwood

Professor Asa Gray, M.D.

Secy. Cor. Am. Ac. Nat. Sci.

Wm. Sharwood
the Secretary of the
Academy of Natural
History
in Philadelphia
or New York
- New York
out

P. M. Beck expressed his
acknowledgments, for appointment
to represent the Academy at the
Munich celebration, & regretted
that circumstances prevented
his being present upon that
interesting occasion.

Missouri Bot Gardens

St Louis Apr 19th 1884

Dear Dr Asa Gray

Dr Parry has kindly sent me a copy or extracts of y^r letter to him of Apr 8th - in which I am delighted to find the interest you take in our deceased friend's library and herbarium - and even more so in regard to the future welfare of our Mo Bot Garden - But you would not be surprised at the satisfaction I feel when I refer to the thirty years labor and expenses incurred, year after year, building and planning and paying taxes - what sustained me was the pleasure of thinking that my plans would in some future time be appreciated, and the Natural Sciences attain to a high estimation among the future inhabitants of the Mississippi valley - as they do now in the more civilized countries of the world -

The Gardens, consist of Garden, Arboretum, & Fruticetum occupy about 60 acres, in the aggregate, two to three miles from the centre of the City, and surrounded principally by my own land 3 to 400 acres - which of course will

go along with the garden - these lands are since
rented to market gardeners, and bring little or no
revenue to the one - after taxes and expenses are paid
except - Shaw Ar Place - consist of ten villa resi-
dences - As a kind Providence has favoured me
during my 105 years residence in St Louis, my
home property has appreciated, and being mostly
in the centre of business - brings an adequate income
& what I propose, and leave by will, to the Garden
brings a neat income, equal to that of the Smithsⁿ
Instⁿ of Washⁿ City - --

Being at the advanced age ^{of 84} some kind friends
propose to me to make over by Deed to our Washⁿ
University - a well managed & flourishing institⁿ the
garden and proposed property - which by its charter
would then be free of taxes - This plan apparently
so feasible does not coincide with my ideas on the
subject - for why should the Garden, financially in-
dependent be merged into another institution, per-
haps less fortunately situated.

Now my Dear Sir I do not ask of opinion on the
proceeding proposition - But what do you think
of making over the garden & property to the trustees

proposed in my will, reserving the entire manage-
ment and control during my lifetime? -

Doct Parry is anxious to obtain the Engelmann library,
and herbarium, and carry out the late doctors bot^l
arrangements by some competent person (perhaps himself
if you recommend) - If Dr P. wants to come I could
put him at once in charge of their own library and her-
barium, but unfortunately have no residence unoc-
cupied at the Garden -

Now Doct Gray I write all this in a great measure
inspired to myself - presuming on yr sympathy
with my plans for the promotion of the Science
of Botany and horticulture - and should be glad
to receive any opinions you may desire to favour
me with - and hoping you may be happy and
prosperous in the great study that I am informed
you are engaged in - ~~and remain~~

Yours ob^t Serv^t
Amy Shaw



St. Louis Aug 19th 1884

Dr. Isaac Gray

Dear Sir

I herewith have the pleasure to enclose
off our N.Y. five hundred dollars to be
applied towards the publication of the
Botanical works of the late Dr. George
Engelmann - and when the same is com-
pleted will pay six hundred dollars
more -

and remain Yours truly

Henry Shaw

Excuse delay Dear Dr. - am not so prompt
as yourself - am still occupied with building
but now finishing - Many thanks for your
handsome volume to our botanic library - your
esteemed suggestions as to the garden are having
my constant attention towards a conclusion -
with kind regards to Mrs. G. and wishing you
health & strength for your important work H.S.



TOWER GROVE PARK.

St Louis July 29th 1885

Dr Asa Gray

Dear Sir

Before signing
the deed of endowment to the Wash-
ington University I herewith enclose a copy
for your inspection, which please
kindly look over, and if any
additional conditions to make
should be happy to get them
at your earliest convenience—
— and so remain Yrs truly
Henry Shaw

St Louis Nov 7/85

Dr Asa Gray Dear Sir

Your esteemed favour
of Oct 23rd - with Prof. Barnes
enclosed is before me - If
I have not already informed you
(for I sometimes mistake the intention
for the end) - I am willing
to incur the printing of the plates
and the reproduction of the
lithographs of Engelmann's Cactus
as you propose - without the assistance
you mention,

Mr Trelease thinks he can be

spared no effort to the work
of Collection at Cambridge
under y^r direction when Mr
Armstrong during the winter -
he gave his opening address
last evening at the Wash^g
Unity - and made a favor-
able impression -
with thanks for y^r many
favors -

Yrs Sincerely
Henry Shaw

St Louis Jan 16/86

Dr Asa Gray

Sir

I have been surprised here
the past ten days by the
unusual cold weather —
— am glad to know that
Mr Tuleas. is with you
and the Engleman bank
satisfying — and hope
your expectations may be

(realized, both as to time of
completion and cost, as
you mention 1700 Dls. -

Mr. Edson has been busy
bottling - and sends you
a small box as a specimen
which I beg you to accept
with the compliments of
the season - respects
to Mr. Tuleen and kind
regards to Mrs. Gray

Yrs affly

Henry Shaw

W. Bot. Gardens
St. Louis Aug 11/86

Dr Asa Gray

My Dear friend

I hope this may
find you well, and progressing in your
work to y^e heart's desire - Mr Trelease
left here in June and has for Museum 10⁰⁰
- Dr Eng^m ^{books} was in rather poor condition
and getting most of them bound, they will
fill a good sized case in our library, and
intend to keep them distinct -
am much obliged by y^e Biographical pamphlets
compared to be very interesting - your old friends
must be fast leaving you - mine are all
pass'd away - when I go, the next business man
comes to St. Louis in 1883 - so from 19 to 33 none
are left of the crowd -
The weather is very dry, the grass in the park
and the flowers in the Garden are suffering -
- *Foucroya rigida* is in bloom - stem 20 ft
high - again *Die^a Regina* also - stem 10 ft
- *Conica papaya* in fruit - I send you our printed list
to fertilize it - I send you our printed list

of tropical, economic & medicinal plants, we
have a number of West India seedling plants
— can't we send some to the Cambridge Gardens?
— or can you tell us where they would be
acceptable —

Have you expended the sum toward the Eng-
elmann book — is it progressing — what is
required to hasten it on? —

The season here is warm but not unusually
so — Am busy with the Stephen Columbus
Statue, which is just uncovered — so with book
writing, and kind regards to yourself & Madam

Remains

Ever yours
Henry Shaw



TOWER GROVE PARK.

St Louis Sept 4th 1886

Dear Dr Asa Gray

Your kind letter
came duly to hand - and note
of requirements for the Engelman
Book - on ap of which I herewith
enclose Bthun's BK Off on N York

— — \$5.00 — —

I forwarded the Box of plants
by Express - and herewith
enclose Gurney's ap of same

Mr P - has not put in an ap
- insurance yet - but is soon expected
- with many thanks and good
wishes I remain

Yours truly
Henry Shaw

progress in St Louis - and
among Prof. Trelease's
pupils - and not impossible
but of predictions may in
the far future become true

The trees are blooming
and in a few days we can
say with Anacreon

"See the Spring approaches
the Graces scatter roses"

Very truly
Yours
Henry Shaw

Wth Res^{ts} Gen
St Louis Mar 19/87

Dear Dr Asa Gray

Your esteemed
respects of 7th inst are
duly to hand - am glad
to find you are so far
advanced with the Engelmann
book - in regard to title
page I find auspices too
pretentious a term - would
rather say collected for
Henry Shaw - If that com-
ports with your superior
judgment in these matters

would you allow me to
have the copies for distribution
to be bound here in St Louis
- so that the whole will be
in bound & a paper cover, but
please yourself in this matter
such will be satisfactory to me
I herewith enclose Bank
\$ft on N York for six hun-
-dred dollars on a/c

Am glad to know that
you are going to take a vacation
- Europe's a long journey
from which I don't always
return - but hope to be more
fortunate with you dear
Doct; - and my safe return
to finish my great monument
(the Slave) - I have to take
great care of my 87 - for I
have asthma, Bronchitis
& pneumonia, gout & rheumatism
- but you've got a life long
loving helpmate & companion
to whom please present my most
respectful regards - - -
- Am gratified to find
that Potany is making some

Enclose Wilson's Sons Bill
for yr. services - which if found
correct please return & will
remit you the balance \$1329.01
H. S.

Wm Bot Gar
St Louis Oct 26/87

Dr Asa Gray
Dear Sir

Welcome
yr safe return to this Con-
-tinent - in good health and
exuberant spirits -
Six cases supposed to contain
200 copies of the Engelmann
book are received here. I am
having them bound & preparing
to distribute - I am much
pleased with the book and
as far as I am able to judge
is all that could be desired -
The printers bill is very

expensive, which I understand
is the case with first class work
of Amⁿ printing - which accounts
for the fact, that most of Amⁿ
authors have their works printed
in England -

- As to the copies to be dis-
tributed to the learned institutions and
individuals in Europe I found
a difficulty, as the P. Office in
this country object to parcels of
more than 14 lbs - and in
France the limit is 7 lbs. - Now
if the Smithsonian Instⁿ can
distribute them it will relieve
me of much trouble & expense
- the book weighs 10 lbs - I had
written to my friends in London
in regard to their distribution

We have had forty thousand
visitors to the Garden during
the past 40 Days - our exotic
Plts are now under glass, those
attracting the most attention
are the economic and medicinal
specimens, which we have lately
much increased, and have
dispensed with some overgrown
specimens of palms -
with good health I still feel the
weight of increasing years, and
do take great care of myself and
advise you do the same - avoid
the cold damp gales from the foggy
banks and icy shores of N. Scotia
and N.foundland - that you
may have 12 years more to finish
the Flora -

With kind regards to Mrs Gray
Yours truly
Henry Shaw

S Sheard

Boston 29 June 1847

Dear Sir,

In looking over my notes & letters which have accumulated during my absence & illness, I find yours of 25 May which, I regret was not soon answered.

You ask if it will be convenient for me, to act on a Committee of the Academy, on the subject of the application of the Rumford fund.

I have been advised by my physicians not to attend to business of any kind for several weeks to come, I have also a great amount of official business at home, to be attended to, as soon as practicable. I must therefore ask leave to decline acting as one of the proposed committee.

I am Sir, very truly

With the highest respect
your obedient servant

Samuel Shaw

Doct. A. A. Gray.

Dot Au Gray
Professor
Harvard College
Cambridge



THE UNIVERSITY OF MINNESOTA,

DEPARTMENT OF BOTANY.

MINNEAPOLIS.

Dec 5th 1891.

Dr Serrno. Watson.

Dear Sir,

Your letter acknowledging the receipt of Solvinia natans specimens from Minnesota is at hand. I am glad that the plant reached you in good condition and that you feel that there is no longer much doubt of its occurrence in America. Regarding my offer to exchange Minnesota Volley Angiosperms or fungi for specimens of the genus Astragalus you do not inform me whether I may

hope that any arrangement
may be made between us.

You will observe
that no hint is made in
my circular letter of an
intention to revise the genus.

Indeed I should suppose
that it would be impossible
to decide whether revision
was necessary or not
until much study had been
expended upon the group.

As you suggest
the genus is indeed a
difficult one for the
number of species catalogued
is great, and it would
be a life work for any
student. This is why
it seems peculiarly
appropriate that a

young man, who in the
natural course of events,
has some time before
him, should take it up.
With this in view I am
anxious to lay the foundation
of a personal collection.

May I venture to
hope that the Harvard
Herbarium with its great
resources will assist
me, and by so doing
enrich itself with plants
from this very interesting
region, the Valley of
the Minnesota.

Very respectfully Yours

E. P. Sheldon.

Philadelphia, Jan. 29, 1856.
Dr. A. Gray.

Dear Sir. We enclose
our bill (\$2.) for printing Atlas
the contents of Gray's Totam.
Please remit the amount at
our convenience. The printed
sheets are in our ware-room.
We prefer always to deliver our
work as soon as it is completed
from loss or damage by fire
the risk, of course, is yours.
The amount of property is not
large, but small as it is, you
perhaps would prefer having
it in a safe place of your own
choosing.

Yours respectfully

Wm. A. Rouse

P.S. If you have a spare copy
of your revision of the U.A.
Liliaceae I should like to say much

Occidental Hotel,
San Francisco, Oct 30th
Serenio Watson, Esq.
Cambridge, Mass.

Dear Sir,

Enclose your
specimens of a *Trillium*
found at Crescent City
Del Norte Co., Cal^a, or rather
in that vicinity at Big Flat
thirty miles east of that place.
Dr. Rice has named this
T. amosii after Mrs. Marshall
Amos of Auburn.

Also enclose specimens of a
Romneyoffia (?) found at the
same place. Can you tell
me what it is? Yrs truly
P.S. Is the Vol. II Botany of Cal^a ready? W. H. S. Hooker.

Candelaria, July 25. 86

310
311
407
315
204
295
261
226
219
272
345 ~ = 343
360 ~

Prof. Serris Watson,

Cambridge,
Mass.

Dear Professor,

Your valued favor containing list of a portion of the plants sent you duly received. I don't see how #375 can be a *Thelypodium* for the seeds are decidedly winged and it seems to me to be only a form of *Arabis longirostris*, however I have no doubt you are right. Prof. Gray's list has not come to hand so I have no names for the following sent you 339. — ^{0, 2, 1, 4, 5, 7, 8} 348 ^{0, 2, 1, 4, 5, 7, 8} 349. 350. 360. 361. 362. 365. 368. ^{1, 2, 3, 4, 5} 374. 377. 379. 381. 2. 3. 385. 6. 388. 389. 390. 392. 4. 5. 6. 8. 401. 3. 5. 6. 412. 3. 6. 7. 426. 8. 9. 432. 437. I have also your postcard regarding the *Salix cordata*. This came from a cañon 30 miles from here and I doubt if I will be able to visit there again, will try to do so. Have just returned from a trip to the White Mts. a range some 20 miles west of

here. The greater portion of the range is in Calif.
The summit is about 11000 and the peaks run up
to nearly 14000. I found a good many plants in
flower. Went up on one peak about 13000 ft.
Camped out one night in willows near a little
ice-cold stream. I will send you later specimens
of plants collected. I think most of them will
be familiar to you. The prettiest one I think a *Pedicularis*
attollens? growing in a little meadow, and a large
show *Pentstemon*. There is a very fine view from the
summit into the Owens River Valley. If I am here
next year I will try and get up there again
earlier in the year. Trusting you will be able
to send me the names of the other plants without
too much trouble, Dear Sir,

Yours very truly,
W. H. Shockley,
Candelaria,
Nevada.

The violet Prof. Gray mentioned grows in on the side of
ditches at Bishop Creek. Deep leaf lobed, this is an agricultural
region watered by streams from the Sierras.
S.

Aug. 11. '86

Prof. Sereus Watson,

Harvard University.

Dear Professor,

The list of Prof. Gray received to-day: accept my thanks for the same. I will send you the plants from the White Mts. in a short time. You asked, in a former letter, about Aurora. Aurora is some 60 miles from here it is said to be the county-seat. Do you know anyone there?

The #432 (*Viola Langsdorfii*) is from the bank of a ditch, an irrigation ditch, at Bishop Creek, I think the altitude is about 4500'.

The *Cleome sparsifolia*, W. #360 grows in the purest sort of sand at Rhodes Marsh on the C. & C. R. R.

I do not exactly understand Prof. Gray's note on #369 but judge he cares this *Malacothrix Torreyi*? His note is "369 *Malacothrix* = your 273 - I still think it. *Malacothrix soucheoides*. Ripe fruit still wanted" Now my 273 is *M. Torreyi* or at least so determined while I thought it *M. soucheoides*. Please unravel this.

My #345 is *Tetradymia spiciosa*, but Prof.
Gray has another #345 besides this in his list
so that he makes #345 *Tetradymia spiciosa*
#345 *Eriogonum asperum*, this
I have no specimen that I know of.

Yours very truly,

W. J. Stockley.

Candelaria,

Nevada.

The labels have come to hand safely thanks for
your kindness regarding same. I enclose specimen.
What is it?

W. H. S.

Is there any published list of U. S. plants
to be used in making exchanges?

Stockley

Candelaria, N. Mex.

Nov. 23^d, 1887.

Prof. Serrus Watson,
Cambridge,
Mass.

Dear Professor,

I send by Express a package of plants most of them collected a year ago (July '86) on a trip to the White Mts. Kindly name them for me. I hope you will find them of enough interest to pay for your trouble. I suppose there is not so much chance of finding new plants on the high mountains as there is in the valleys but since Ducks are out-of-the-way place some of the plants at least should be rare. I have done no botanizing this year. Our company built a rail at Soda Springs ^{last spring} some 20 miles from here and business affairs have taken up my time. Trusting this will find you in good health, I am, Yours very truly, W. H. Hensley.

Candelaria, Nevada,

Jan'y. 12th 1888.

Dear Professor Watson,

Your valued favor of 3^d inst. came safely. I am very sorry to learn of Professor Gray's illness and in a man of his age, it is hoping against hope to look for a favorable result. I can only wish that the unexpected may happen in his case.

I shall be very glad to learn the result of your investigation of the plants I sent you. If you find a very small part of the pleasure I had in collecting them left in their dried remains they will be a boon to you. I had some good shooting on the same trip killing a number of Sage-hens. I hope to make another trip to the mountains this summer. I hope this will find you in the best of health and with much wishes for a pleasant year I am,

Yours very truly
W. H. Hensley.

Has the Flora of N. Am. been
completed?

HOWARD SHRIVER,

WYTHEVILLE, WYTHE CO.

JUNE 30 1884

Prof D. Watson

Dear Sir

Being under the necessity, of
abridging the size of my herbarium,
I am culling out a lot of plants
among which there may be some
that are valuable or interesting:
but, which may have escaped my notice.
They are plants of this vicinity: *Solidago*:
& other composites: *Umbelliferae*: *Ericaceae*:
generally those which presented a variety
of form which led me to suspect species
or varieties. Many are, hence, duplicates
merely: many, probably, are useless: but,
I would like to put them under a competent
eye, for determination, rather than

make any other disposition of them.

My proposition, is that you pay the expence of packing and freight: and, I will send them packed as carefully as I can. I think, there is no doubt you will be fully reimbursed: as many of the specimens such as *Pachystima*, *S. Bortii*, *Rhododendron* *Cotambrense*, *Carex* *Arvensis* and some others are desirable exchanges. I expect to send you most of the duplicates on hand: and, consider myself to be making you a liberal offer. My object being primarily to catch up any good thing that has escaped me: and, secondly to utilize the extra plants which I am unable, in my circumstances to properly retain and care for. Many of these plants have passed under one or two experienced eyes; as Dr Gray will admit: but, others have been added since

HOWARD SHRIVER,

WYTHEVILLE, WYTHE CO. VA

JUNE 1884

the inspection referred to.

But, I would expect them to receive proper attention: and, not be discarded by a journeyman hand that could not discriminate between what is valuable and valueless. I have examined them myself: and judge you will not meet with any thing uncommonly valuable: what I ask is a corroboration by a determination superior to my own.

Should they be useless either as exchanges or otherwise the Botanic Gardens will not be much out. I am about getting out a Printed Catalogue: but, am disheartened by the delay of the printer: and, the incompleteness of the thing on my part: but, it may serve as a starting point and look what I know of the Flora, with best regards to Dr Gray & Lady, I am very Respectfully & Truly Yours
Howard Shriver

Shriver

HOWARD SHRIVER,

WYTHEVILLE, WYTHE CO. VA.

A. Gray L.D.

JULY '7 1884

Dear Dr

Yours 13th at hand.

In my letter, I expressly intimated that, you might find nothing new; but that, I preferred to give you the chance to look over the assortment: as it is the only chance, so far as I know from this spot: - hoping something might be detected. The number of plants is not large: all told might fill a Saratoga more or less.

Still it comprehends nearly all my duplicates held for exchange: I have reserved only typical specimens for my herbarium. I have just gone through the whole lot: to reduce the number as much as possible. I found the surplus smaller than I expected it would be: but still large

enough to (possibly) hide a good thing
or two: the hope of detecting the latter
was my sole reason for offering them
to the Cam. Herb.

I had no wish that you should reserve
any to return to me. Though, as you
suggest, ^{the pointing out of} any decidedly erroneous marks
would be gratefully accepted.

Still, I did not ~~would~~ ask any
thing more of the college than, what I
regarded quite little enough, that they
should meet whatever expense there
my W^h for packing & sending.

I should be somewhat mortified, however,
should you & Mr Watson be at the trouble
^{a fruitless} examination.

Now you see how it is.

I am glad to hear that your N. A. Flora
is nearing completion.

With best wishes for your
continued health, I am
Very truly
Your son & friend

HOWARD SHRIVER,

WYTHEVILLE, WYTHE CO. VA.

JULY 22 1884

My dear Doctor

Your letters are at hand,
I have been hard at work with the
flowers. But I must suggest one
thing: before you examine them
could you not set a purveyor
& worth to put them in precise
order, in sorting and culling from
the main herbarium and from
several annexes, specs. from various
departments have now and then
crept in where they do not belong.
Now if you set a jour- to work
the numbers on the S.W. corner

of the page will enable him to
place them according to your manual:
in which case the department to come
under your eye would be all together.
Doubtless you have some one who can
do this. I have my hands full: being about
to change my local habitation: or I wd.
have set them all to rights.

They are generally endorsed inside for sheet
of paper: perhaps, you would have prefer-
red a half sheet: but I have kept them so
and thought they wd. carry better with
the extra paper about them.

(That blot up there came from my hurry)
I have just rec'd the men for Englemann's fruits.
Please accept my thanks: as also for the boxes
from the Flora & the other papers of the Am.
acad. just come to hand.

The plants will reach you in say 6 or 8
days: I shall try to ship tomorrow or next day
Dr A Gray Very truly Yours Howard Shreve

Smithsonian

Fort Wingate N. Mex.
5th April 1887



My dear Sir -
Professor Baird
informs me in a kind
letter dated on the 29th ult.
that he has "written to the
Secretary to say that it will
give us pleasure to receive
you [i.e. me] as a member
of the Museum staff."

And now in view of all
the Secretary has been so
good as to say kindly in
regard to this matter I really

Can see no reason why
my order to the Smithsonian
should not be making
its appearance pretty soon.

I feel, Professor,
so grateful to you for
all your kindness in
this affair, that it is
really that which prompts
this little note this
morning - I thank you
again most sincerely.

There is nothing that
could have encouraged

me more in my work than the kind
and prompt way in which both you
self and Mary show in science departments
to my efforts to have my work carried
on in some more favorable environment.
With best wishes - believe me, dear Sir,
Faithfully yours

Wm. Brewster

To Prof. New Hay.

Amos
May, 30,

Dear Sir,

I take advantage of my friend Meissner's sending you a box of plants, to add a collection of Euxinean plants which may perhaps be of interest to you: as Meissner has I believe sent you Swiss plants in abundance I have refrained from adding any, although I possess large quantities of duplicates which are quite at your disposal in case you should wish to have any. I need not say that if you have time to lay aside any American plants for me, that they will be very acceptable - particularly the Gramineae, and such intricate genera as Desmodium, Solidago, Aster, Viola, &c. - I possess already a considerable number of the American species, having the Collections of Drummond, & of the German collectors, but geographically I am most poor in the plants of the States north of Pennsylvania; Florida - and the extreme West.

Although I did my best to obtain a collection of the Gramineae you published some years back at the time, & notwithstanding Sir W. Hooker promised to order me a set, I have been unable to do so, and I rather fear that they are no longer to be had - Should you however be able to find me a set, you would deeply oblige me, & I should find no difficulty in remitting you the amount in a draft on New York.

I have lately received the collections of Regel, a German collector, whose plants you have partially seen and am now busied in their distribution and in the determination of the greater part - Your Flora has been of infinite use to me, having cleared up doubts upon a mass of species, which have long puzzled me, & which you have proved to be untenable.

About two years ago I sent a parcel of plants to Prof. Torrey, through a brother in law of mine, but have not heard whether they arrived at their destination - Should you see him may I request you to mention the circumstance to him -

I shall be most happy, if I can be of any use to you in furnishing you desiderata from the German or Swiss Floras.

I have the honour to remain

Dear Sir

Very truly yours

Robert James Shuttleworth

Bern in Switzerland

15 August 1841

My dear Sir

Although I wrote to you a few lines but a short time ago, I must answer your memoranda received through my excellent friend Godet: The account of your accident and recovery reached me at the same time: indeed you have had a very narrow escape, and I sincerely feel not only for all you must have suffered, but for the anxiety Mr. Gray must have undergone. And now in answer to your note: I recognized the *Cochlos* collected in Louisiana by Drummond in 1832 (and afterwards in Texas. III. ² *col.* N. 50) as distinct from *Silleguodius*: thought it at first to be *C. hirtus* L. But have now, indeed some time back, recognized it as *C. pilolobus* Link. These are my remarks

Coch. pilolobus Link. *St. Prov. I.* p. 504.

Sp. *C. silleguodius* T. & Gray. *Ann. xi.* p. 12.
Specimen a Drum. lect: et nunc: Lucasque
ex Am. Sept. accept:.

Obs. Capsula humores, parce praerupta junior,

pubes, apici acuminate, sed lobis non dentatis.

Planta multo humilior, ex putrescens -

Capsulae breviores. (Nan in C. seligianus).

Icon. Plun. t. 103 f. 2, "C. hirtus," species
a nostra diversam refert, siliquis crassioribus,
minus acuminatis, et indumento copiosiori.

Plun (ed Burm.) t. 103 f. 1 = C. seligianus L.

I cannot distinguish garden specimens
referred as C. pubescent Luth, from our
plant. and there is nothing in Luth
characters to make me hesitate.

The specimens were too few to have
printed tickets -

As I have an opportunity of sending
a parcel to England in about a
week, I will send you the 1st half
of my Florida plants: if my friend
can take the parcel - if not the
Malvaceae.

Let me know whether you approve
of "Naples" - The seeds I have
prepared as before to receive the
seed capsule - as I am convinced

perfectly good & natural - I have found
5 or 6 other species among the Cuban
plants - and they all agree in habits, or
~~off~~ and in the delinence of the Capsule -
I am much puzzled with the Florida
(Key West) plants, particularly the
Composite, from not being able to
consult good collections from the West
Indies. It is to me evident, that as
with the shells, so it is with the plants,
and each Island ^{possesses} peculiar species closely
allied to each other, and which have
hitherto been generally confounded together.

I will not occupy your time any longer
at present. May present Mr. Shadworth,
and my own regards to Mr. Gray.
I am very sorry to hear that Sir W.
Hosker is not yet quite recovered
from his illness: pray remember me
kindly to him -

Ever yours sincerely

Robert J. Shadworth

Berne 13 Jan. 1857

Ans. G. Hall, 11

Berne 12.th Febr. 1851

My dear Sir,

I forward to you in haste
the few Malvaceae of the Florida
Collection - I shall be glad to hear
of your having received them safe.

You will not forget to let me
know in time when and where
I am to send the parcel of plants
to you - (I have one from Soderstrom) -

I have 3 or 4 portraits also for you -

Believe me, my dear Sir,
with best regards to M.^{rs} Gray,

yours very sincerely

Robert J.^r Shufeldt

Mr. Smith's

Banc - Feb. 12, '57

My dear Sir,

M^r. May informing me that he is going to send you a small parcel, I cannot allow this opportunity to pass, without thanking you for the very interesting collection of Mosses you so kindly sent, and which I received in January - I should have written before, but I have been laid up with Gout, and have had my mind much occupied by domestic affairs. I thank you also sincerely for the plate of your Genera, which was wanting in my copy - I regret that M^r. May has not given me time to make up a parcel of plants for you - but winter is a bad time for me, as I suffer much from the season and am often unable to work at all. I hope this spring & summer, as I do not expect to leave home at all, to be able to send you the Composite &c, & I will add the unnamed Flounders. I shall have several opportunities I expect of sending you parcels through private hands.

My friend M^r. Godet has just published the first half of his Flora of the Jura - you will no doubt receive it direct from him as soon as the last half has appeared - it is a conscientious well written book -

I am more particularly occupied with Shells at this moment, as I preparing for the press the Land Shells of the (cavities with plates -

But I must end this note, as my head is already tired, and I can scarcely collect my ideas - M^{rs} Shuttleworth, if she was with me at present, would I know join with me in kind regards to M^{rs} Gray, of whose apparition at Bern, we preserve a most appreciable reminiscence -

Believe me, my dear Sir,

Yours very sincerely

Robert Shuttleworth

Bern 25 March 1852

E. S. Mendenhall

Minister Sweden &

Norman

Washington D.C. October 12. 1855.

Dear Sir,

When I had the pleasure of meeting You here, You seemed kindly disposed to enter into an exchange of plants with the University of Christiania, as You said, You had already established such relations with the Professor of Botany at the University of Upsala. I have, but a short time ago, received a letter from Mr Blytt, Professor of Botany at the University of Christiania, dated 1. November last year, but which on account of its having been sent in a box containing books & different other things from Christiania, via London, has been so long time in reaching me. In this letter Professor Blytt expresses the desire to enter into an exchange with You and requests me to write to You on the subject. I beg therefore to enclose the list of desiderata, which accompanied his letter, although

W^m

Mr. Blytt adds, that he will be happy to receive American plants of all families, stating at the same time, that in exchange he can send you Scandinavian, Helvetic, Pyrenean, Apennine & Sicilian plants, both cryptogamic & phanerogamic.

Mr. Blytt also informs me, that he sent in the Spring of 1854. with Dr. Mayor, who left Norway to go to the United States, a precious collection of rare Norwegian plants, to be forwarded to you, or to Mr. Torrey, and having heard nothing since thereof, he requests me to make enquiry, whether you may have received the said packet. I fear however, that Dr. Mayor having on his 2^d trip to the United States perished on board the Steamer 'Arctic', last year, the packet has been lost, or he may have taken it with him, then; but you will infer from this circumstance, how anxious Mr. Blytt is to establish relations of exchange, by which both parties,

in a scientific point of view, may be benefited. I hope you will kindly answer this letter; and I would suggest for the establishment of a regular exchange, that you would send to the care of C. F. Habicht, Swedish & Norwegian Consul at New York, and addressed to Professor Blytt, Christiania, any collection you may desire for the University of Norway; and I will forward to you all such packets, as I may receive from thence.

I have the honor to be with great regard,

Dear Sir,

Yours humble & obedient
Servant

J. Sibbern
Swedish & Norwegian Minister
Resident in the U. S.

Asa Gray Esq
Professor of Botany
Cambridge
Mass:

London May 8. 1856.

My dear Sir—

I beg to enclose a letter
to You from Professor Blyth at
Christchurch. — I received it
here on its return from the
United States, and then with
account for its long delay in
reaching You. — I have gone
to Europe on some months leave
of absence, but Mr. Habicht,
who is Acting General Governor
of Sweden & Norway and whose
address is 80. & Beaver Street - New York,
will be happy to forward any
letter or package, which You

perhaps may wish to send to
Professors Blyth.

In his letter to me Mr
Blyth anticipates the heartiness
from his relations with you
and expressing most sincerely
the same hopes. I am then
bound to be with high esteem
Dear Sir

very truly Yours

L. S. Gilbert

Professors A. A. Gray
Cambridge

Winterthur 30 Januar 1890.

Sehr geehrter Herr!

Ihre geehrte Adresse meinem Freunde Herrn Professor H. Saggi, Direktor des botanischen Museums in Zürich ver-
sendend, danke ich Sie gütigst entschuldigend wenn ich mich er-
laube einige Zeilen an Sie zu richten, zum Zweck, Ihre
Güte in Anspruch zu nehmen.

Seit vielen Jahren mit dem eingehenden Studium der
Potentillen beschäftigt, zu welchem Beruf ich ziemlich
ausgedehnte Culturen anlege, hege ich den herzlichsten
Wunsch, die Arten & Formen des genus *Potentilla* aus den
verschiedenen Theilen Amerikas etwas näher kennen zu
lernen & bedarf ich hierfür ein instructives Herbarmaterial
sowie keimfähige Samen zu Gunsten meines *Potentillariums*.

Wollen Sie demnach gefälligst entschuldigen, wenn ich
so frei bin, hinsichtlich Beschaffung des fraglichen Materials
Sie, geehrter Herr, höflichst zu berathen & wünschte Sie vielleicht
Mittel & Wege damit ich in den Besitz von Herbar exemplaren
& Samen gelangen könnte für welche freundliche Rathschläge
ich Ihnen herzlich dankbar wäre.

Eine Arbeit die Sie beiner Zeit über die Gattung *Potentilla*
publicirten wurde mir vor einigen Monaten aus der Bibliothek
De Candolle in Genf zugänglich gemacht, leider aber nur auf
wenige Tage, sodass ich unmöglich Ihre umfangreiche, so sehr

W. S. G. U.

interessante Zusammenstellung, einherd, wie ich es gewünscht
hätte, studierend & benützend konnte. Wären Sie wol so gutig
mich wissen zu lassen, in welcher Buchhandlung das fragl.
Werk zu finden ist?

Falls in Ihrem botanischen Garten, oder in andern bot.
Anstalten Amerika's, *Potentillen* cultivirt werden, wären
Sie vielleicht so liebenswürdig, mich im Interesse des Studiums,
Samen verschaffen zu helfen.

Bitte, verfügen Sie über mich, falls ich Ihnen jemals
oder augenscheinlich kann & Ihnen im Voraus schon meinen
wärmsten Dank aussprechend versichere ich Sie, hochgeehrter
Herr, meiner vorzüglichen Werthschätzung,

ergebenst
H. Siegfried.

P. S.

Gleichzeitig mit dem Vorliegenden geht ein Druck,
schreibt über mein *Potentillarium* an Sie ab, bemerke ich
Ihnen noch dass die von mir gezogenen, amerikanischen
Arten, höchst unsicher richtig determinirt sind! ~

Meine vielen Pflanzen Dubletten stehen gerne zu
Ihrer Disposition. -

New Haven February 23-1857

My dear Sir

Yours of the 18th was handed to me two days ago but I have been so deep in heavy geologic operations with many interruptions that my reply has been delayed.

I should be very sorry to lose your detailed paper - I hope you will prepare it & permit it to appear in the July No. for I am already up to my ears in recollections & shall be obliged to put by a long piece of paper.

Permit me to suggest that a notice for the current No. referring in it to a more extended account to appear in the next would embrace all the circumstances of the case & be in every way the best except giving you more labor. If I do not hear to the contrary I will therefore report your notice as soon as you can get it ready & the

more full account afterwards.

Pray remind Dr Torrey of the importance
of being extra early with that plate
the plate sheets struck off: the last
No was detained 3 weeks in waiting
for a plate from Boston. —

I am much gratified by the good
success of Dr Torrey, lectures — very
kind regards to him & accept

them yourself from
me & his

Yours most truly

Wm Brewster

J Gray

Dear Sir

New Haven Mar. 1- 1837.

I thank you for your notices which shall be inserted & I can see no better way than to order the work of the plates to be executed by Endicott & I will thank you to have the order given accordingly. The number wanted for the Journal is 1250 - if any extras are needed for the author they must be added. I wish them to be here by Mar. 20 & they may come directed as below.

I will pay by a draft on N York. — I shall expect your fuller notice & wish it may be in season that it may ^{not} ~~then~~ any chance of being crowded out.

I am glad to hear of Dr. Torrey's recovery & congratulate you upon the brighter prospects of the expedition. I remain dear Sir

Yours very truly
B. Lilliman

Eliza

To B. Hamlin's Printing Office for
American Journal of Science

Prints - keep dry.

By Steam Boat.

very cheap for 25¢



Dr A Gray



By order of Nat. Office

Wood Way
New Prince Street

New York

[Faint, mostly illegible handwritten text at the top of the page]

St. Louis, Mo. 6 Dec 6

My dear Sir

I have 4 more of Wednesday & will attend
to the Editor & send you the ships, as soon as they can
be conveniently obtained. We are sorry that our month
no certain no getting, as several new botanical
subscriptions will be disappointed. Our Library panel
of London Journals failed to come by last steamer
and we have been much embarrassed by the loss -

I think you will acknowledge a manifest change
for the better in the Journal & more in the March no-
than the June - the course you can guess -

One principal object I have in view in writing to
you is to state the ^{negotiations} of our Correspondent
M. Alcide D'Orbigny of Paris, made to all men
of kindred pursuits in this country that they will
exchange with him ^{palaeontological} ~~natural~~ & ~~historical~~ of this country for
those of Europe - & particularly he offers all or any
of his own publications, for the Government
Reports of this country, on a ratio of fair equivalence,
for our fossils he offers such of the fossils of
France, named in accordance to his Palaeontologie

Francis. Of this latter work we have given him the
whole in return for his set of the *Journal Sci* 50 vols
I have now open for him a case containing several
important works on American Science - (N.Y. Republ.
Gazette - Jan - 1847) If you can send any
thing in aid of the same cause you will be sure
of a fair return - & the sooner the better - I have
written to Dr. Gould requesting him to present the subject
to the Nat Hist Socy & now request that you will
forward it to the Academy - Dr. Gould's work came
only yesterday / the last sheets & also the maps of the same
& will be sent you at once -

One of my first pupils in Analytical Chemistry
has taken the prize of £50. from the Highland
Socy. for the best essay on the chemical character of
Oats. Prof. Graham writes, "two things I can say safely,
that the essay well deserves the reward it has received
& that Science has not hitherto done so much for any
other kind of grain, as this essay has done for oats."

The gentleman is John P. Norton, Esq. of Framington Ct
& has been two years in Professor Graham's Laboratory

Yours M^o truly
W. L. Garrison

Dr. Gray -

New Haven June 20th 1846

My dear Sir

I have your favor of the 13th with information regarding the cost of engraving Duvoy's plates. On the next, of which Prof Duvoy was advised, & the result will probably be that your German will have all such jobs in future. Do I understand that Prestele lives at Buffalo? If so this will sometimes detain us, or induce us to find some one nearer at hand.

By dint of some perseverance in mousing among our old imperfections &c I have made out a pretty complete list of Duvoy's articles for you, & also the plates. The text wants that article which is in Vol XI p 147. & Plates N.

J. & R. are also wanting. Of these however I presume we have the ^{copies} plates & some time when I am in the humor, I may perhaps find them & have a copy struck for you. Perhaps Duvoy can furnish you the missing portions. Although he has not generally had any extra copies if I remember rightly.

Had I known how much time & trouble I should spend in looking these up I would have thought twice before I undertook it. But I am glad if you are satisfied, & it is some consolation that you will probably be saved more time than I have spent on it. So the account is even.

Your review of *Danus Zoophytes* I read with much pleasure. You made it very pleasing so that I hope all readers will not stumble over the title on the threshold. Whelpley's review of *Cosmos* in the Jan No of the Whig Journal, is worthy your attention.

Dr Gray.

Yours very truly B. Silliman, Jr. (over)

Have you seen the Horn of Planchus Spuch on the Smithsonian fund? He makes a whole cat, gnatcatcher, & also a stock on physical science, which displays great ignorance, and forms a complete non sequitur to his whole argument in favor of a large library.

I have made a little computation of the cost of Dewey's plates
and find that they have probably cost not less than \$1000. We
have paid from \$25 to \$40 a plate for them including the
printing & some of them have cost \$30 for the engraving.

I have sent you a nearly complete double set of
the plates without text as thinking they might be of
service to some of your friends abroad.

Do you think the Annual improved?

Prof Asa Gray M.D.
Fishes prof Nat Hist.
Harvard Coll
Cambridge Mass

The packet will be sent you to ditto & Brown
with demand for duty in a few days.

UNIVERSITY OF NORTH CAROLINA,

FRED. W. SIMONDS, M. S. PH. D.,
Professor of Geology, Zoology and Botany.

Chapel Hill, Sept. 8. 1879.

Professor Asa Gray,
Cambridge, Mass.,

My dear sir:

In the Spring of 1878, having aroused some enthusiasm among my students over the study of Botany, I was told that at no great distance from town there was a hill completely covered with "Laurel" which the more intelligent of my informants believed to be a species of Rhododendron. I was not at that time very well acquainted with the local flora as I had but recently arrived from the North, nevertheless that a true Rhododendron, five or six feet in height and bearing the most beautiful purple blossoms, should be found at an altitude no greater than five hundred feet, seemed to me to admit of a doubt. As soon as possible I visited the locality.

The sight there presented was even more beautiful than that described to me. The steep bank of Morgan's Creek was buried in a mass of evergreen leaves among which were clusters of flowers varying from light to deep purple. The plant was a Rhododendron. I examined the flowers and sent specimens to my friend Professor Dudley of Cornell University. He, as well as myself, is of the opinion that it is R. catawbiense. If so, this species is not confined, as it has been thought, to the high mountains of the Appalachians. I send you with this a dried specimen. I am sorry it is such a poor one, but crowded as I have been with other college duties I have had no time to prepare an herbarium.

Very truly yours,

F.W. Gilman

Beverly Sept 22



Prof Asa Gray
Cambridge
Mass



Berryvale Sept 22, 77

Prof Gray.

I went up
on the Mountain yesterday
and shot cones of from
14 different trees, of the
Amabilis & *Nobilis*

No 1. is *Grandis* such as
you wished me to get, ^{at the same altitude as my} ~~from~~
with leaves from same
tree. No 2 is *Grandis*.
from the highest altitude
that it grows.

No 3 is *Amabilis*. if there
is any. I have gathered
them heretofore, full grown,
for seed, where the
brackets showed a good
deal less, No 4 is a
variety between.

No 5 is Hobbs
yet I have gathered
them, that when the
brackets were turned
down they would completely
cover the cone
you will find a variation
in length and sharpness,
or pointedness of Brackets
as the only distinguishing
feature between the
Amebalis & Hobbs
with the exception that
the Amebalis is larger
Greener and more Purple
than the Hobbs.

P. H. Simon

Starg has come

I have to close

AUBREY H. SMITH,
215 S. Fifth Street,

PHILADELPHIA, Mar 24. 1888

Professor A. Gray
Cambridge Mass.
Dear Sir

In talking over botanical matters some days ago with Mr Charles E. Smith he suggested that I should make notes, as he is himself doing, of some observations on our local and northern flora and send them to you for use as far as available in the new edition of the Manual.

My work has been chiefly in the collection of our local plants, but I have generally in the summer made excursions northward and have always on such occasions made the collection of plants part of my employment.

I therefore append a number of Memoranda which I beg you will use if they are of any value to you.

Senecio Smithii, provisionally so named by Olney is quite frequent in the neighborhood of Philadelphia. It has been found in several places since I first brought it from Pacey Woods, Delaware Co.

Olney had some doubts as to whether or not it is identical with a *Carex complanatum* Torr. from Texas. This I have never seen and know nothing about.

Specimens of *C. Smithii* are in Horto Herbarum Acad. Nat. Sci. Philad. marked *C. hirsuta* and labelled as having been collected in Chester Co. Penn^a by Townsend in 1832.

In the hope that my notes may not prove wholly unavailable I am very truly
 Audrey H. Smith.

P.S. I send by Express to day (Feb 29) a packet containing a few of the plants in the following list. A.H. Smith.

Memoranda of Plants collected by Audrey H. Smith
Eranthis hyemalis, Salisb. Escaped from Botanic Garden ^{Philadelphia}
Cerastium oblongifolium, Torr.

Abundant on the Serpentine Hills in Delaware Co. Penn^a.

Drosera linearis, Goldie.

Ground Squirrel, Mich.

Rhamnus alnifolia L'Her.

Gravel bars. Lake St John, L. Canada.

Aschynomene hispida, Willd.

Rare on the Alluvial banks of Delaware River.

Spizaea tomentosa L.

Delaware Co. Penn^a. Rare.

Rhexia virginica L.

Mount Desert. Maine.

Liatis graminifolia, Willd.

Dryest White Sand of the New Jersey Pine Barrens.

Root a corn.

Coreopsis discolor T & G.

Abundant along tide water of Delaware River.

Quite as tall as *Didymopanax* - the leaves in

vigorous specimens often quinquepartite.

Lobelia Dortmanna L.

Two or three scales on the leaves.

Pentstemon digitalis Nutt

Growing abundantly in grass fields, Finicum.

Delaware Co. Penn^a in 1878 + 1879.

Cyperus europaeus L.

Var. *laevifolius* Gray.

This variety has tubers on the rootlets.

Dry pine barrens, New Jersey.

Origanum vulgare L.

Abundant near Philadelphia.

Monarda punctata L.

Plentiful in dry fields in New Jersey but not yet found in Pennsylvania.

Myosotis Versicolor Pers.

Darby, Delaware Co. Penn^a. Plentiful

Opomen Rid, Roth

Not run in waste places along the Delaware.

Antennaria

Names for Dr Antennaria of Worcester Virginia
see letter of John Clayton to John Bartram
Darlington's Memorials of Bartram & Munchak.
page 408.

Quercus palustris Du Roi

Acorn striped yellow & brown

Quercus heterophylla Michx.

Reddish wood in many places - by Meckum
Leidy, C. V. Smith Cope & A. H. Smith.

Cypripedium pubescens, Willd.

Rich old woods in Delaware Co. Rare.

Microstylis ophioglossoides Nutt.

Summit of Green Mountain Mt Desert,
Maine.

Cladium mariscoides Torr.

Plentiful in clearings of Cedar Swamp
Tom's River, New Jersey.

Carex longiristis, Torr.

Williamsport Lycoming Co. Penn^a

Carex Smithii Olney.

Darby, Delaware Co Penn^a - Frequent.

Carex Michxii Muhl.

Gravel bars on the Kennebec River, Maine
And on the Marguerite L. Canada & also
on the bank of Lake St John - L. Canada.

Grappophorum Melicoides, ~~Kuhlewein~~ Beauv.

~~Margin of Lake St John L. Canada.~~

~~This plant which I had marked when collected~~

North point of the Mt Kineo peninsula -

~~Maine~~ Moosehead Lake, Maine.

Equisetum litoreum, Kuhlewein.

Margin of Lake St John L. Canada.

This plant which I had marked when
collected as *E. palustre* is now said by
Dr J. C. Porter to be as above.

Pellaea gracilis Hook.

Steep Mt rocks Sullivan Co, Penn^a

Allium Ficoecum Ait.

Shaded Margins of Swamps Delaware Co. Penn^a
Rare.

Eriocharis Engelmanni Steud.

var. detonsa Gray.

Found abundantly in Tinicum Delaware Co.
Penn^a in 1871 + 1872

This Tinicum plant seems identical with western specimens, ^{lately} sent me by J. C. Porter, to whom I had sent the Tinicum plant at the time of its discovery.

Eriocharis hirsuta Torr.

Tinicum, Delaware Co Penn^a. This station for the plant is now obliterated.

Scirpus fluvialis, Gray.

Abundant along the margin of tide-water but rather rarely flowering.

Eriophorum gracile Koch.

Cold Springs at Rhodes Swamp Delaware Co
Penn^a

Woodwardia Angustifolia, Swartz.

Abundant in low sandy grounds in New Jersey. Also in Tiroicum Township, Penn^a.

Aspidium fragrans Swartz.

Face of the Cliff at Mount Kine Moonhead Lake Maine.

Isotria Echinospira, Durum.

The sandy bottom of Tom's River, N. D. is so covered with this plant that on putting the arm in the water, kept raised, to the elbow one can bring up a handful of the Isotria.

Aubrey H. Smith } }

Anthony M. Hunter

C. E. Smith

Phila. October 2^d - 1866

Prof. Asa Gray
Cambridge
Mass.

Dear Sir

I have sent you today
by express a package of plants - with
one for Dr. Robbins -

It contains Juncus asper and
Juncus Smithii, two of Engelman's new
species - about half a dozen specimens
of each. I do not know whether you
can for duplicate specimens - but if
you wish for more I can send them, at
any time.

A further search for Juncus Smithii
has established it at another locality
30 miles S. W. of the first one.

A much more diligent search in N. J.
extending all the way to the ocean & south
to Cape May for Juncus asper has only
resulted in fixing another locality $\frac{1}{4}$ mile
from the first - but there is an old

specimen in the collection of Acad N. Sci.
here, marked "Snake bridge". We have
not yet detected it there.

I send you Prunella farinosa
from Mt Kisco N.Y. the manual gives
it "Lake Huron & N.W." from which
I suppose it has not been before
found in New England.

Further search here, has established
3 colonies of adventive plants - all of them
on ballast grounds. There are a number
of plants common to all, but each
one has its specialities - A load of
ballast from N. Orleans has produced an
enormous quantity of Petunia parviflora.
After three years observation I believe
we cannot say that a single plant
has disappeared - but the list now
comprises fully one hundred species -
some of them European - as Cyperus fuscus -
but chiefly southern U.S.

The search for J. asper has established Eleocharis
Robinsii as a very abundant plant in southern
N.Y. - acres of it. Yours &c. Chas E Smith
in sphagnum ponds.

N. E. Smith

Philada. Monday July 2 1880

Prof Asa Gray
Cambridge Mass.
Dear Sir

I have your letter of the 30th.
I note below, a few other errata in the Manual,
which you may have already found, but to make sure
I send them.

Page 57 Species 2 "Mannypung" should be Manayunk
" 66 line 3 "Dr Diffenbach" His name was Elias
Diffenbach, He is dead, He was a compositor in a
printing office, & not a Dr. One of the most accurate
& sagacious botanists I ever knew. Equally sharp in
the field and in the study. Strike out "Dr." & put E.
Page 334 Head line "Scophulariaceae" - r - omitted
" 548 Species 2 "Xyris torta" for X. torta.

Is not the repetition of the word Xyris an oversight?
" 676 Head line "Lycopodiaceae" for Lycopodiaceae.

I infer from your letter that the new edition
of the Manual is not yet in the printer's hands, for which
I am rejoiced. There are some additions to it,

which I think should be made. I will send specimens with my suggestions. One plant we find it - Nardosmia petasites found in three places, about 10 miles apart, in Philad^a, and Delaware Co., which adjoins Philad^a, in wet meadows, when it receives no attention from man, beyond being mown off from time to time. It is probably introduced, but seems well established.

Maclura aurantiaca, ^{nut.} introduced here from the west as a hedge plant, for which purpose it is the very best, for our climate. When it escapes the hedge trimmer, soon becomes a vigorous tree, of which we have a number, in our district.

There are several other plants, for which I want to ask a hearing, before the next edition goes to press.

In reply to the question of extending the range of the next edition of the Manual about which you ask my opinion - I think it too important to be decided off hand. I will therefore turn it over, pro & con

for a few days, before answering - For the last three years, I have been entirely out of employment, both mental & physical, a bad state to be in - You are perhaps aware that I was president of the Reading R.R. ten years ago. My successor proves to be a scoundrel - His accounts are fraudulent, & the company is totally insolvent, & the management dishonest. You may think that this does not concern me now - but it does - If you were to leave Harvard & go to the end of the earth to live, & were to hear that the trustees had swindled the College, & that it was insolvent and disgraced - the knowledge would worry you. So this case worries me. I turn to Botany as to a first love, for distraction, & welcome any botanical work as a relief. Remembering Peter Collins's words to John Bartram "Oh Botany - delightfulest of all sciences! There is no end to thy gratifications!"

Yours Very Resp.

Charles E. Smith

Phila. Feby. 20 1880

Prof. Asa Gray

Cambridge Mass.

Dear Sir

I promised in my last letter to give my opinion on the proposed change in the range of the Mammal, in the new edition, so as to include all the Southern States in it. I have gone over the figures with some care, and give you the result below.

The 5th edition of the mammal contains, Species 2654

The 4th " Excluding the Amphylax, contains 2426

Increased N. in the 5th over the 4th, Species 228

The total no. of pages in the 5th Excluding index 682

Deduct Preface & key 32

pages of description 650

$\frac{2654 \text{ Species}}{650 \text{ pages}} = 4.07$ average no. of species, per page.

Chapman contains 1154 species not in the mammal.

$\frac{1154 \text{ species}}{4.07 \text{ pages}} = 283$ pages additional for the Southern species.

Total no. of pages in 5th edition 701

As 701 is to 283 so is 100. to 40. That is, the increase in size and consequent cost, will be 40 per cent, if it is done.

Not two persons in a hundred of those who use the Mammal live in the district South of Virginia. For the benefit of this

possible 2, the remaining 98 will have a book, weighing more, and costing more, & of no more interest to them.

The children have yet to be born south of Mason & Dixon's line, and afterwards to be civilized, before there will be any there, who will appreciate a manual of botany. This will not arrive in the present century.

Every successive edition of the Manual must be increased in size, even if the range is not increased. Thus, if the next edition adds 228 species, as the last did,

$\frac{228 \text{ species}}{4.07 \text{ per page}} = 53 \text{ pages more will be required for them.}$

Every edition will contain more elaborations of the variable plants. Compare the treatment of Aeluropus & its forms, with that of Panicum dichotomum, an equally variable plant. Juncus in the 4th edition, covers less than 4 pages, in the 5th it covers 8 pages. More of this work remains to be done, & will take space when done.

In the next edition you will have to decide whether to admit the ballast plants. They will amount to 300 or 400 species & will take 100 pages, if admitted. The area of the state included in the present range is 541,562 square miles, equal to a territory 1000 miles long by 541 miles wide, larger, I believe, than is covered

by any other manual in the world.

The word Manual implies a hand book, a handy book. If the range is extended it will be an unhandy book.

Total no. of pages 5th edition 701

Pages probably required for new species in the 6th 53

Ballast plants 100

Southern plants, if confined to the S. of Mississippi 283

Probable pages in 6th edition, if range is extended 1137

As 701 is to 1137 so is 100 to 162.2. Therefore if the Southern & the ballast plants are both admitted, the increased size will be 62½ per cent or $\frac{5}{8}$

The Manual is open to improvement, by the elaboration of the variable plants & by a more liberal admission of adventives, such as Machera, Ailanthus, Sorothamnus, Lusilago Petasites &c. &c. all of which flourish in our district. Is not this a fair test? A plant is entitled to admission, if it grows wild & continues to grow, year after year, without the care or protection of man - If yes - then the above should come in.

The Manual will cover 1000 pages, in two or three more editions, if you deal fairly with the material in the district, without enlarging the range.

The 4th edition contained the Anophytes, covering 100 pages

Why were they left out of the 5th edition? was it not
because so few botanists study them, that it was thought
they did not pay for the extra space & cost required?
The same reasons apply with more force to plants
only found along the Gulf of Mexico. Certainly
the adventives and ballast plants in the old
range have more claims than the Southern
ones. Such a book, as the Manual
would be, if enlarged, is wanted, but not
as a Manual. The want will be supplied
by the Flora of North America. A library book,
or a book of reference, not a Manual.
The commercial result of the change would be to
diminish the sale of the Manual & increase that of
Wood's botany, which would then be the only one of
the Northern States. Although no one thinks it as good
as the Manual, it would be used as cheaper & more
convenient. For these reasons, I think the proposed change
undesirable.

Yours Very Respectfully
Charles C. Smith

216 N. 15th St.

C. E. Smith

Philad.^a Monday June 21. 1880

Prof. Asa Gray

Cambridge Mass

Dear Sir

The Manual under Juncus
helocarpus says. "var. subtilis from Canada
is a creeping form" &c. I found it several
years ago on the shore of Brasen Lake
Somerset Co. Md. - I think I sent you a
specimen of it at the time - I sent Engelman
100 specimens for his Herbarium Juncorum,
which exhausted my stock. I believe that
this is the only instance of its being found in
the U.S. I also found Carex pallens
Ford. = C. miliaris Michx. on Tomhickon Stream
Somerset Co. Md. - a much better locality than
Kennebec river, where I first found it, & about
10 miles from it.

I found Carex Patensis Gray. on Deer
Island Moosehead Lake, about 12 miles
from Kines Cliff, where Porter found
it. These facts show that the
Species are not mere waifs in
our territory, but fairly belong to
our flora.

Manuel says - So description of
Helianthemum "Petals crumpled" L., for
p. - crumpled?

I fear that I am a negative
annotator.

Very respectfully Yours

Charles E. Smith

216 So. 15th St.

Philad^a Friday Oct 22^d 1886

Prof Asa Gray
Cambridge Mass

Dear Sir

I have sent you by mail,
today, specimens of Hieracium aurantiacum L.
found by me in Potter Co. Pa. - Potter Co is one of the
northern tier of counties in Pa. a little West of the middle
of the boundary line - Potter found it this Summer in
Clinton Co. Pa. which adjoins Potter on the South - also
in Centre Co. Pa., which adjoins Clinton on the South -
Centre Co. is as near as may be in the centre of the
State - I found it in three places in Potter Co.
twice on dry banks along the road side & once in a
wet meadow abundant - It seems to be a
fairly naturalized plant - It is described in
Wood's botany, but not in the manual -
Wood says it is a native of Scotland. Benthams British
Flora does not describe it, but mentions it as sometimes
escaped & says it is a native of Southern Europe (p. 496)

I also send Ornithogalum nutans L. from
Fairmount East peak - rather plenty -

The specimen is not a good one - It was got
by Lidg. - He neglected to get the leaves -

The short pedicels & long bracts, however, are
characteristic -

I also send Cyperus capillaris Britton
from Egg Harbor N.J. - got Sept. 22^d '86

Chapman's Supplement errs in describing the
leaves, "as long as the culm -" Britton's type
specimen & the one sent you, have the leaves
less than half as long as the stem

I note your treatment of Viola amoena & blanda
in the Botanical Gazette for October -

The range of blanda is given "Lake Superior &
south to Massachusetts & central N.Y." -

It grows about Phila. & is described in Darlington
Flora Astrica - Chester is 8 miles west of
Phila. - It is rare here & hard to find -

It is only 2 or 2½ inches high & grows in
damp meadows where the tall grass hides
it from notice - It, & amoena do not vary
in Penn^a - amoena grows in cold, dry, shady

& rocky woods & is more abundant than blanda

Neither of them are abundant here -

blanda is always a rich dark green

amoena always a yellow green

Yours Very Resp.

Charles E. Smith

216 South 15th St.

Philad. Monday Apr 28 1890

Prof. Jerome Watson

Cambridge Mass.

Dear Sir

I enclose 40 ct in stamps
for which please send me a copy of
Paines Weisses Catalogue -

Porter's friends here regret & condemn his late
article not only for its unfairness, but for its
wicked tone - It is a case of ex as moras
attributionis coming to the surface

Yours Very Respectfully,

Charles E. Smith

216 South 15th St.

Phila. Thursday Dec 13 1894

My dear Mr. Gray

I have your letter of the 19th

I send you with this an addition to your collection of photographs of botanists, one of Linnaeus.

About 1855 the A. N. Sciences of Phila received a lot of engraved likenesses of Linnaeus from a society in Sweden with a request that they be offered to the members at 12½ cts each, the proceeds to be applied to the erection of a tablet to Linnaeus, I think at Upsala.

I got one - Some years afterward I offered to send one to Mrs Wm. Brewster of the Syracuse Botanical Club N.Y. She accepted my offer - I went to the A. N. S. to get it & found that they were all gone - the best I could do was to have a photo. made & send that.

It was pronounced softer & more agreeable
than the cygnaria - I send you one of
them - It is taken on the Scotch cap and
House worn on his trip to Lapland in 1732.

It contains a queer error - the holds in
the right hand, two specimens of Linnaea
borealis - twin flower - The larger one has
three flowers & the smaller, only one -

Neither of them twin flower - The leaves of
Linnaea are orbicular, obtuse & coarsely
toothed - There are veins, acute & entire -

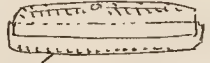
It is strange that Linnaeus should
have overlooked such a blunder in a plant
named after him & of which he was
very fond. I believe that this is the only likeness of
him in his earlier years - Yours, Respy.

Chas. L. Smith

216 S. 5th St.

where then shall we put them?

Smith H.

From the fact is, the telicous frustule is composed of two parts, like a box and its cover  which slip apart by growth of the internal Membranes, &c, just before opening, the internal Membrane unfolds at the ends, and, in the case of *Pinnularia* *indica*, forms a complete septum in about 15 minutes, along this on each side a new deposition of *Silica* commences, and in about six days is completed, and two frustules are thus formed, now it is very evident that the one which has slipped out is smaller than the part which once held it; and in process of repeated division, smaller & smaller forms are made; by & by, a conjugation occurs; from the union of the endochrome of two small *Pinnulariae*, is formed a sporangium of double size occupying ^{in this process} about 14 days; but it is not like the winter spore of *Dydimena*, or *Spirogyra*; or even of the *Dermids*. It is a perfect formed new individual

London Dec 18 56

My dear Sir

Your favor of 14th is just recd, I had already ordered *Müllers Linzeller Algen &c* as also *Brauns "Algaeum unicellulare"*, I had been doubtful whether *Pringsheims "Jahrbücher für Wissenschaftl. Botanik."* up to 1863 would be worth to me what it will cost (about \$40.) do you think it would be a very great help as to the fresh water Algae? My means are limited, though it could be imported for the Coll. library and thus I might get it, or the use of it, much less -

It will take about a year yet to finish the diatoms - I mean, to prepare for press and complete the drawings -

Thank you for the offer to forward letters to Agassiz & Braun, I have the latter "Regeneration &c"

published by Ray Soc. - I will pre-
pare a package of specimens for
Agardh, and forward through the
Smithsonian as soon as I can possibly
put them up, commencing at once -

The letter explaining, & containing
some facts which may be useful in
his classification of the Diatoms, I
will forward through you and I am
under great obligations for your very
kind offer - I have had
some correspondence with Dr. Grunell
of Ed. & we have exchanged specimens
for some time past. The Dr is a hard
worker at the Diatoms -

I found one species, *Pleuromyxa delicatula*,
hitherto only known as marine,
growing abundantly in a fresh water ditch
near Lake Erie, also a *Rhizosolenia*
(*Setigera*?) hitherto a genus confined
to marine localities, generally oceanic,
in the deep waters of the Lake, and
I doubt not the very large *Stephanodiscus*

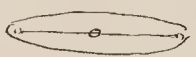
virgatus, of Lakes Erie & Ontario, is
the representative of the marine *leucodiscus* -
By a slow process, continued
perhaps for a Geological period, during
which Salt water has become freshened,
species have survived the change some
with more, others less modification of their
original character - I found *Achn.*
brevis, a truly marine species growing
in strong running fresh water at New-
London Conn. but perhaps within tidal
influence, the work emptying into the
Thames - *Amoebocleidia* I find here,
known hitherto only as marine, I
am exceedingly doubtful whether the
Diatoms should be placed under
Chlorospermae at all - Not so much as
to their color, but the fact is they produce
no spores at all the German Botanists
who jump ^{at} a conclusion with great ease
have perceived this, but patient investigation
proves it all a fancy, even Ralfs &
Smith (Synop. Brit. Diat.) fall into this

5.

of double life, that immediately commences
self division, No true zoospores are
ever formed, or contribute at all to the
reproduction, the whole is wonderfully
illustrative of Bovers theory of Pantogeno-
genesis - In most cases the sporangium
is differently like the parent fruit, but
in some, is so far different, as to constitute
species, still given in the latest works upon
this subject, eg. *Stauroneis Phoenicenteron*
is spⁿ of *St. gracilis* - *Surirella nobilis*
= spⁿ of *Sur. Splendida*, *Navicula affinis*
has for its spⁿ *Nav. firma* &c &c -

The Chem. reactions are plainly indicative
of vegetable structure but certainly a very
complicated one, I even doubt the propriety
of calling them unicellular; their pro-
motion, is not like that of Algae spores, by
Ciliae; but is produced by an ingestion and
ejection of water, accompanied by a move-
ment of opening & shutting, either end of the
fruit () a sort of rocking
upon a strong (muscular?) ^{central} band, which by

the way closely resembles the very peculiar
coloured central mass of *Spiriggyra*, and
has like it, a central nuclear body, and
is colored precisely ^{the} same by Iodine & Sulphuric
acid, Of course the Engl sketches I gave
are awfully exaggerated, but I have can
fine drawings, and Microsc. measurements
the movement is slight but effectual

There are no openings at the extremities
of the valves as most authors assert, &
copied even by Berkeley in his excellent
"Introduct. to Crypt. botany" - the manner
of ~~the~~ effecting the absorption of nutriment
is however very apparent, In the *Stauridium*
it is along the median line 
in many species a beautiful little canal
exists, the frontule is here wholly cleft
and is only held together by the central
gelatinous module, and sometimes terminal ones
the whole interior is lined with delicate membrane
and each frontule in "*Pinnularia*" is ~~an~~ mi-
nute canal, occupied by a delicate endochium
still enclosed in a membrane - They all have

the central (nuclear?) band and a well
defined nucleus, where probably self disin-
finit originates as in the case with *Spiriggyra*
from the central mass threads pass out
all over the interior, and in many, e.g. *Sunivella*
there is a rapid circulation of the enclosed
oil (?) globules The structure is far more
complicated than that of the desmids or
the Confervae - I think the mode of
absorption of the nutriment will perhaps
afford on the best ground for classification
certainly the distinctions arising from mere
form; presence or absence of a strip; or a
gelatinous tube; are of little scientific
value, as they are fugacious, I must
confess I am not wholly clear upon
this subject yet, and I am painfully
aware of my ignorance -

Excuse this rambling letter and allow
me to thank you once more for your
kind offer which I will soon avail
myself of
With great respect
Truly H. L. Smith

15 MILD MAY GROVE. N^o.

2 July 1897

Dear Sir

Herewith I send
for the Mus^m (if worth
acceptance) a reduced
photographic copy of the
life size head of the
Rev. M. J. Berkeley that
I sketched a little time
ago & gave to the
Roy. Hort. Soc

Yours faithfully
W. G. Smith

John R. Jackson Esq